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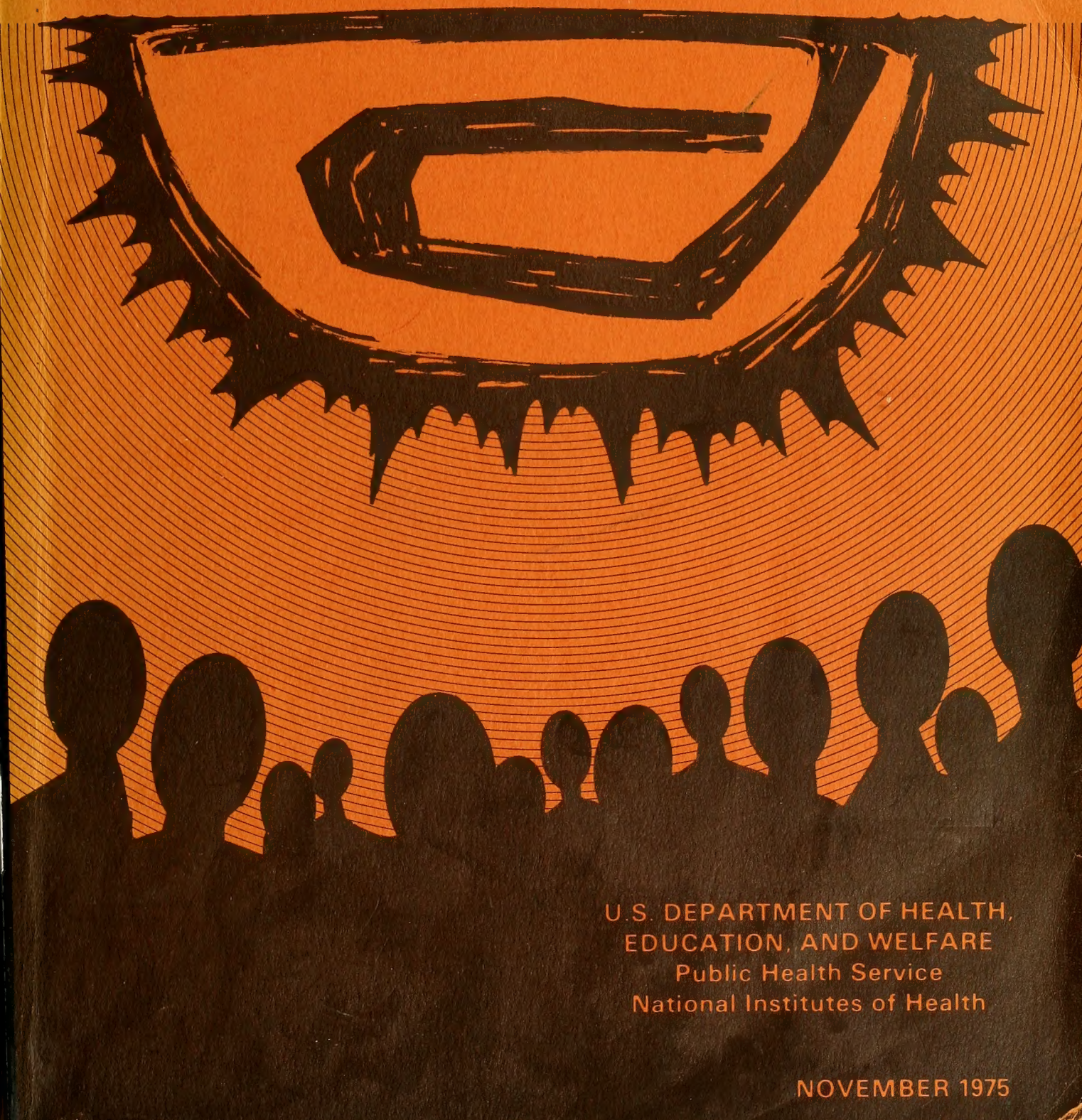

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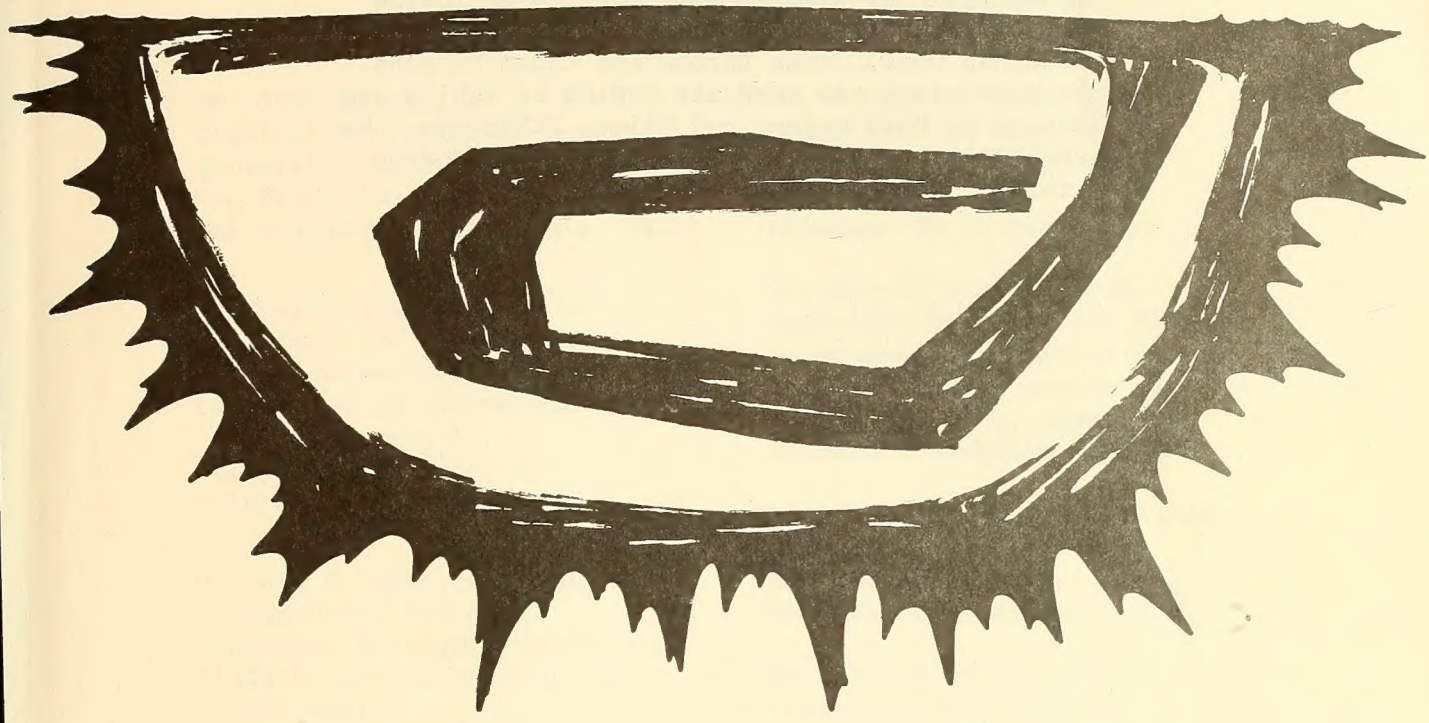

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WITH THE ADVICE OF: THE ULTRAVIOLET RADIATION AND SKIN CANCER WORKING-GROUP OF THE NATIONAL CANCER INSTITUTE

U.S. DEPARTMENT OF HEALTH,
EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health
National Cancer Institute
Division of Cancer Cause and Prevention

DHEW NO. (NIH) 76-1029

RC
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S425
1976

ACKNOWLEDGMENTS

We thank Jay Faulkner for the imaginative cover design and his assistance in preparation of the monograph. We also acknowledge the following for computer support services: Nancy Bryan , Jonathan Cook, James Larson and Karen Parsons. We appreciate the accurate typing of tables and charts by Mary Draper and Eileen Silverman. We thank Doctors Marvin Schneiderman and Joseph Fraumeni for reviewing the manuscript.

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ABSTRACT

Using Robertson-Berger meters, new measurements of Ultraviolet (UV) radiation were obtained at ten locations in the United States in 1974. UV-count was found to be correlated with latitude, altitude and sky cover, as well as season. Dirunal patterns indicate that approximately 60 percent of the total annual UV-count is received between the hours of 10 A.M. and 2 P.M.

The incidence of skin cancer was found to be associated with increased UV exposure. The UV data and skin cancer statistics are presented in detail and should be useful for further environmental and epidemiologic investigations.

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INTRODUCTION

The etiological role of sunlight in the formation of skin cancer has been recognized for almost a century, and has been confirmed in several animal experiments.

A comprehensive review of these studies was recently given by Urbach, Epstein and Forbes ("Ultraviolet Carcinogenesis: Experimental, Global, and Genetic Aspects." In: Sunlight and Man, University of Tokyo Press, 1974, pp. 259-283).

In 1972, the issue of depletion of atmospheric ozone by supersonic aircraft, and the consequent possible increase in solar ultraviolet radiation at ground level, prompted the Department of Transportation Climatic Impact Assessment Program (CIAP) to seek, among other answers, a more precise definition of the quantitative relationship between exposure to solar ultraviolet radiation and incidence of skin cancer in man.

The National Cancer Institute was asked to assist the CIAP and appointed the Ultraviolet Radiation and Skin Cancer Working Group to render advice on this problem. At that time, the National Cancer Institute was completing the Third National Cancer Survey (TNCS), and the Working Group recommended that actual ultraviolet radiation measurements be conducted in different United States locations, and, in particular, in those where TNCS skin cancer data were collected.

This information is part of the report of the Ultraviolet Radiation and Skin Cancer Working Group and is presented to foster the development of guidelines for the prevention of skin cancer in man.

METHODS

In a recent report, Urbach, Berger, and Davies[1] described a "sunburning ultraviolet meter," designed and constructed by Donald F. Robertson and Daniel Berger, which measures the effectiveness of ultraviolet in producing skin erythema. After each 30-minute interval, the meter records a measure of the cumulative amount of ultraviolet radiation which passes through its filters and photosensors. Half-hourly recordings may range from 0 to slightly over 1,000 depending on the geographical location and the meteorological conditions prevailing at the meter site. A count of approximately 400 is estimated to produce skin erythema ("sunburn") on the "typical" Caucasian skin.

Although no clinical experiment has ever demonstrated the development of a human malignant skin lesion as a direct result of increased ultraviolet exposure, Urbach et al. explained "that the action spectrum for human skin erythema and skin cancer are sufficiently similar that the former can be used as a basis for field ultraviolet measurements, and for calculations of changes in the biological effectiveness of ultraviolet radiation . . . ."

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[1] Proceedings of the Third Conference on the Climatic Impact Assessment Program, February 26-March 1, 1974. DOT, TSC-OST 74-15 (this document available to the public through the National Technical Information Service, Springfield, Virginia 22151).

During the entire year of 1974, Robertson-Berger meters, built with DOT-CIAP funds by Temple University, were operating at observatories of the National Oceanic and Atmospheric Administration (NOAA) at the following ten locations: Albuquerque, New Mexico; Bismarck, North Dakota; Des Moines, Iowa; El Paso, Texas; Fort Worth, Texas; Mauna Loa, Hawaii; Minneapolis, Minnesota; Oakland, California; Philadelphia, Pennsylvania; and Tallahassee, Florida. The data were submitted to the National Cancer Institute, Field Studies and Statistics, for analysis.

Of primary concern is the comparison of these environmental measurements with available national data on morbidity and mortality from skin cancer in order to further our understanding of the etiology of this disease. The data have been reduced in various ways in an effort to illustrate the basic patterns of ultraviolet exposure by day, week, month, season, and time of day, so that other investigators may make further comparisons with available physical data or theoretical calculations. Evaluation of long-term trend is left for the time when several years of data will have been compiled.

STATUS OF THE FILE

In June of 1975 a subcommittee of the Ultraviolet Radiation and Skin Cancer Working Group met to establish guidelines for adjustment of the data for missing or inaccurate observations. A day was considered invalid if data in the critical time period of 9:00 a.m. through 3:00 p.m. were missing or clearly inconsistent with available weather bureau data. Estimates of half-hourly recordings were obtained by simple averaging of monthly data. Table 1 is a summary of valid observations. Major adjustments were required at two locations, Fort Worth and Mauna Loa, where 15.4% and 5.5%, respectively, of the total yearly count was imputed. In the appendix of detailed tables (Section 4), all imputed values are underscored. In the analysis, adjusted counts were used exclusively.

Units of UV measurements are subdivided in the following way:

1) Half-hourly counts (48 × 365) — This is the basic unit of measure. It represents the accumulative UV count for the previous 30 minutes at the specified time of day, in local standard time.

2) Total daily counts (1 × 365) — A daily sum of all half-hourly recordings during the specified day.

3) Total monthly count (1 × 12) — A monthly sum of all recordings for the specified month.

4) Seasonal count (1 × 4) — A summation of counts for the four seasons of the year, defined as:

Winter:	December 21, 1973	through	March 20, 1974
Spring:	March 21, 1974	through	June 20, 1974
Summer:	June 21, 1974	through	September 20, 1974
Fall:	September 21, 1974	through	December 20, 1974

5) Annual count (1). The summation of all half-hourly counts for the entire year, representing the total annual dose.

TABLE 1 NUMBER OF DAYS WITH COMPLETE DATA

Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Mauna Loa	31	28	31	11	31	30	31	31	30	31	26	31	342
Tallahassee	31	28	31	30	30	30	31	31	27	26	30	31	356
El Paso	31	28	31	30	31	30	31	31	30	31	30	31	365
Fort Worth	31	28	18	26	31	9	31	31	30	31	30	31	327
Albuquerque	31	27	31	28	31	29	30	31	23	31	30	31	353
Oakland	31	28	31	30	31	30	31	31	30	31	30	31	365
Philadelphia	31	28	31	30	31	30	31	31	30	31	29	31	364
Des Moines	31	28	31	30	31	30	31	31	30	27	30	31	361
Minneapolis	31	28	31	30	31	30	31	31	30	30	30	31	364
Bismarck	31	28	31	30	30	30	31	31	30	30	30	31	363

TABLE 2 ANNUAL UV COUNT WITH ADJUSTMENTS

Stations	Total Adjusted Annual UV Count	Adjustments	Adjustments as Percent of Total
Mauna Loa	2,770,023	153,247	5,5
Tallahassee	1,660,833	39,473	2.4
El Paso	2,237,306	18	0.0
Fort Worth	1,605,936	247,259	15.4
Albuquerque	1,890,313	51,152	2.7
Oakland	1,508,568	9	0.0
Philadelphia	1,110,784	239	0.0
Des Moines	1,251,567	6,519	0.5
Minneapolis	1,065,035	1,897	0.2
Bismarck	1,127,193	3,183	0.3

SECTION 1

PATTERNS OF EXPOSURE

A. DAILY PATTERNS

Pages 1.1 – 1.24
Tables 1.1 – 1.14
Figures 1.1 – 1.11

Daily fluctuations are observed throughout the year at each location (Figures 1.1 through 1.11). Gaps in the graphs signify missing data points which were later estimated. Variations occur when changes in cloud cover and precipitation levels are observed, with greater oscillations in the warmer seasons. The highest daily count was recorded at Mauna Loa, 11,979; while the lowest was recorded at Oakland, 70 (Table 1.1). As latitude decreases, the percentage of days with daily counts over 1,000 increases. The median daily count was highest, 7,761, at Mauna Loa, and lowest, 2,036, at Bismarck (Table 1.2).

B. WEEKLY PATTERNS

Pages 1.25 – 1.32
Tables 1.15 – 1.16
Figures 1.12 – 1.17

Weekly daily average patterns are less erratic than the daily patterns. Greatest fluctuations are observed at Mauna Loa. The reason for this is unclear as climatological data were unavailable for this location. A simple harmonic model, the sine curve, provides a good description of weekly patterns. The model fitted is defined as:

$$\sqrt{Y(t)} = \alpha \sin \left(\frac{\pi}{26} \cdot t + \theta \right) + \beta + \varepsilon_t$$

where

t denotes time in weeks $(t = 0, \ldots, 51)$

$Y(t)$ denotes the average daily UV count for the t^{th} week

β is a constant

α is semi-amplitude, one-half range from maximum to minimum

θ is the phase angle in radian measure

ε_t are independent and identically distributed random effects, normal with mean o and variance σ^2.

Estimates for any week at any location may be obtained by simply substituting the t value in the formulas provided in Table 1.16.

C. SEASONAL PATTERNS

Pages 1.33 – 1.34
Table 1.17
Figure 1.18

Seasonal variations are dependent on latitude. Spring and summer average daily counts are quite comparable at locations which lie below 36° North latitude, whereas the peak season is clearly the summertime for the more northerly locations. In summer, the ratio of the highest count (Mauna Loa) to the lowest count (Philadelphia) is 1.9. In contrast, the winter ratio of high (Mauna Loa) to low (Bismarck) is 6.2.

D. MONTHLY PATTERNS

Pages 1.34 – 1.37
Tables 1.18 – 1.20
Figure 1.19

Surprisingly, the highest monthly UV count was observed at El Paso (June, 310,629) and not at Mauna Loa (August, 309,419) (Table 1.18). Peak months are June or July at all locations except Mauna Loa. Again, a sine curve model provides a good description of the monthly patterns at each location. The model and estimates of the parameters are provided in Table 1.20.

E. EXPOSURE BY TIME OF DAY

Pages 1.38 – 1.54
Tables 1.21 – 1.34
Figures 1.20 – 1.21

The intensity of UV radiation usually peaks between the hours of 11:00 a.m. and 1:00 p.m. (Tables 1.21 and 1.22). At least 30% of the daily UV radiation count is recorded during that time period. Approximately 60% falls between the hours of 10:00 a.m. and 2:00 p.m., while about 80% of the radiation usually reaches the Earth's surface between the hours of 9:00 a.m. and 3:00 p.m. Slight variations in peak time are observed for different locations during different months of the year (Figures 1.20 and 1.21).

F. INTENSITY PATTERNS
Pages 1.55 – 1.69
Tables 1.35 – 1.63
Figures 1.22 – 1.34

In an effort to describe the intensity of UV radiation during half-hourly intervals, six values were arbitrarily chosen: 100, 200, 300, 400, 500 and 600 (Table 1.35). A half-hourly UV count greater than 400 is reached at least once between 30% and 97% of the days in the year, depending on location (Table 1.36). This intensity value is most common during certain times of the day; 93.1% of the recordings at Philadelphia were observed during the hours of 10:00 a.m. and 2:00 p.m., while 72.1% of the half-hourly readings above 400 occurred during the same time interval at Mauna Loa (Table 1.39). The number of hours in a day during which an intensity value is maintained varies from station to station (Figures 1.22 to 1.24). A level of over 400 is maintained for four or more hours between 5.5% and 14.4% of the days in the year at locations of about 40° North latitude (Philadelphia) and above. At lower latitudes, this intensity is maintained for four or more hours between 16.7% and 56.4% of the days in the year (Tables 1.42 through 1.51). Except in Mauna Loa and El Paso, an intensity value of 400 is almost never seen before 9:00 a.m. and most frequently begins at 10:00 to 10:30 a.m. In contrast, a value of 600 occurs usually between the hours of 11:30 a.m. and 12:30 p.m. in all places except Mauna Loa and El Paso where peaks are reached earlier, between 10:00 and 10:30 a.m. (Figures 1.25 through 1.34). Comparisons of intensity values of 200, 400 and 600 are provided in all tables.

SECTION 2

ANNUAL UV INTEGRAL COMPARED TO GEOGRAPHICAL AND CLIMATOLOGICAL DATA

SECTION 2 – ANNUAL UV INTEGRAL COMPARED TO GEOGRAPHICAL AND CLIMATOLOGICAL DATA

Pages 2.1 to 2.3
Tables 2.1 to 2.4
Figure 2.1

Nine of the ten locations are within cities in the continental United States. The meter located atop Mauna Loa was especially chosen to provide high measures of UV count. As expected, UV count was correlated to latitude (Figure 2.1). Altitude and sky cover are also associated with the annual amount of UV at each location (Table 2.1). The inclusion of Mauna Loa increased the mean UV count and standard deviation by 8.5% and 38.2%, respectively (Table 2.2). In addition, correlation coefficients relating latitude and altitude were found to vary substantially with the inclusion of Mauna Loa (Table 2.3).

Because of lack of climatological data and unique geographic conditions, Muana Loa data were excluded from further detailed analyses. Multiple regression analysis on the nine remaining sites provided a measure of the variation of annual UV count which could be explained by latitude, altitude and sky cover were found to be statistically significant at $p < .01$, $p < .05$ and $p < .05$, respectively. Latitude alone explained 68% of the variation in UV count, whereas the inclusion of either altitude or sky cover increased the proportion to 92% and 91%, respectively. Inclusion of all three factors would explain 97% of the total variation in UV count (Table 2.4).

This multiple regression analysis is, however, heavily dependent on the particular locations used, and interpretations of these results are therefore somewhat limited.

It will be worthwhile to see how the findings change when other locations are added.

SECTION 3

ANNUAL UV INTEGRAL COMPARED WITH SKIN CANCER DATA

SECTION 3 – ANNUAL UV INTEGRAL COMPARED WITH SKIN CANCER DATA

Pages 3.1 to 3.10
Tables 3.1 to 3.4
Figures 3.1 to 3.9

A. Comparisons with Annual Age-Adjusted Rates

For the first time, actual data measuring the relative levels of ultraviolet radiation may be compared with morbidity and mortality from skin cancer in the United States. By design, all four locations included in the special study by the National Cancer Institute of non-melanoma skin cancer (i.e., basal cell carcinomas and squamous cell carcinomas of the skin) were also included in the study. The available summary data for UV counts and skin cancer incidence are provided in Tables 3.1 and 3.3.

Skin cancer incidence of each cell type and sex group was found to be positively correlated with annual UV count (Figures 3.1 through 3.4). Estimates of the parameters and correlation coefficients for the regressions are given in Table 3.2 With only four points, however, the regression coefficients were not found to be statistically significant at the 5% level.

Analysis of annual UV counts has shown that the effect of latitude on UV count is large. Thus, the traditional practice of using latitude as a surrogate for annual UV exposure is justified (Figures 3.5 and 3.6). Further, analysis of mortality data (from U. S. Mortality by County: 1950-1969, Mason, T. J., and McKay, F. W., DHEW Publication No. (NIH)74-615) suggests that mortality data may also be

used as a surrogate for incidence data (Figures 3.7 and 3.8).

B. Comparisons with Annual Age-Specific Rates

A measure of cumulative lifetime UV exposures, obtained by multiplying average age by the total annual UV count at specific locations, was compared to age-specific incidence of nonmelanoma skin cancer. Age-specific risks are apparently related to cumulative UV exposure (Figure 3.9). The significance of the relationship, however, is dependent upon certain assumptions and associated statistical models.

Using the following model to describe the data for each sex, the increase in log incidence for a unit increase in cumulative exposure was found to be significant for each sex. The model is:

$$\log_e R_j = \mu_j + \beta D + \varepsilon_j$$

where

R_j = incidence in the jth age group

μ_j = intercept of j^{th} age group

β = increase in log incidence for a unit increase in cumulative exposure (common slope)

D = cumulative exposure

ε_j = independently and identically distributed random effects, normal with mean o and variance σ^2.

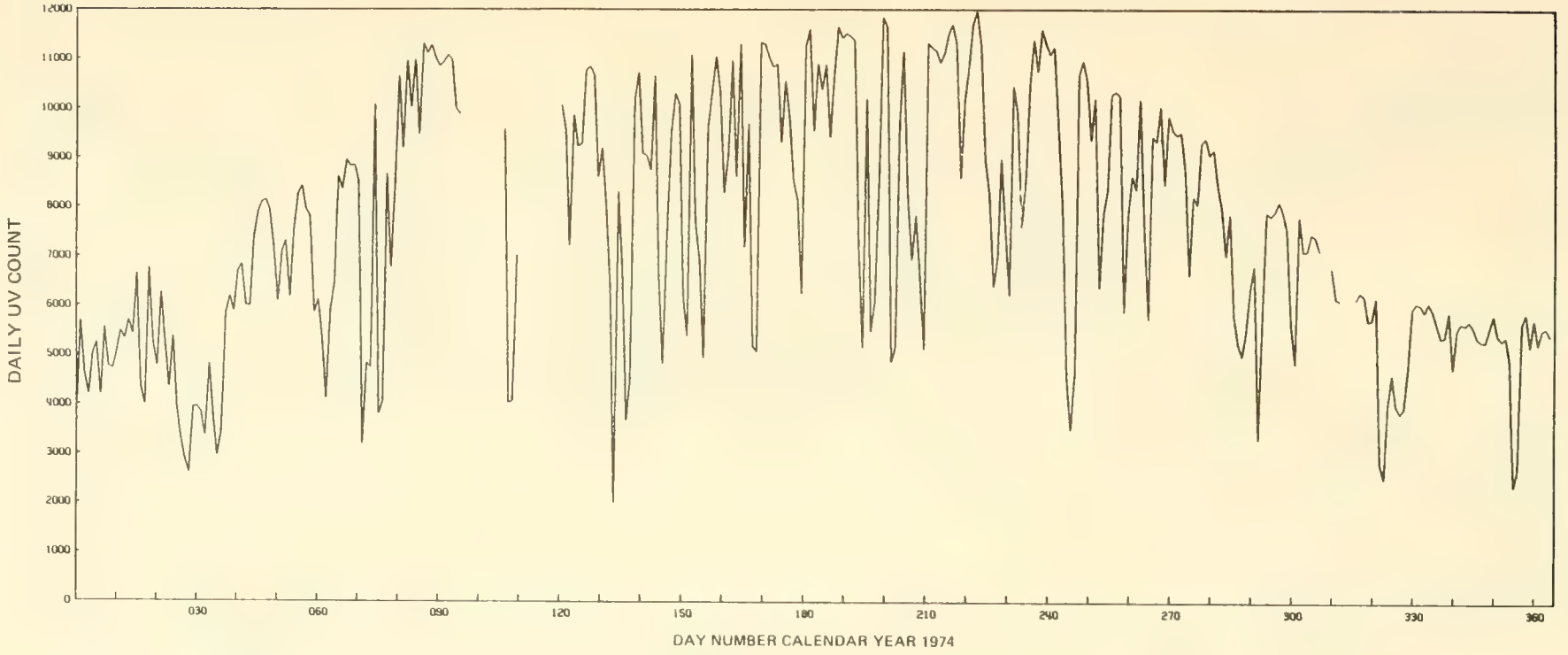
Table 3.4 summarizes the results.

We now have physical data and not merely theoretical calculations which support the hypothesis that ultraviolet radiation has an effect on the risk to skin cancer (among whites). It should be noted, however, that the results may be considered dependent on location-specific demographic variables (e.g., ethnic composition, occupation, outdoor exposure, life styles, geographic mobility, etc.) which could not be incorporated into elementary models. Further investigation and analysis is therefore deferred until more detailed epidemiological data become available.

SECTION 1

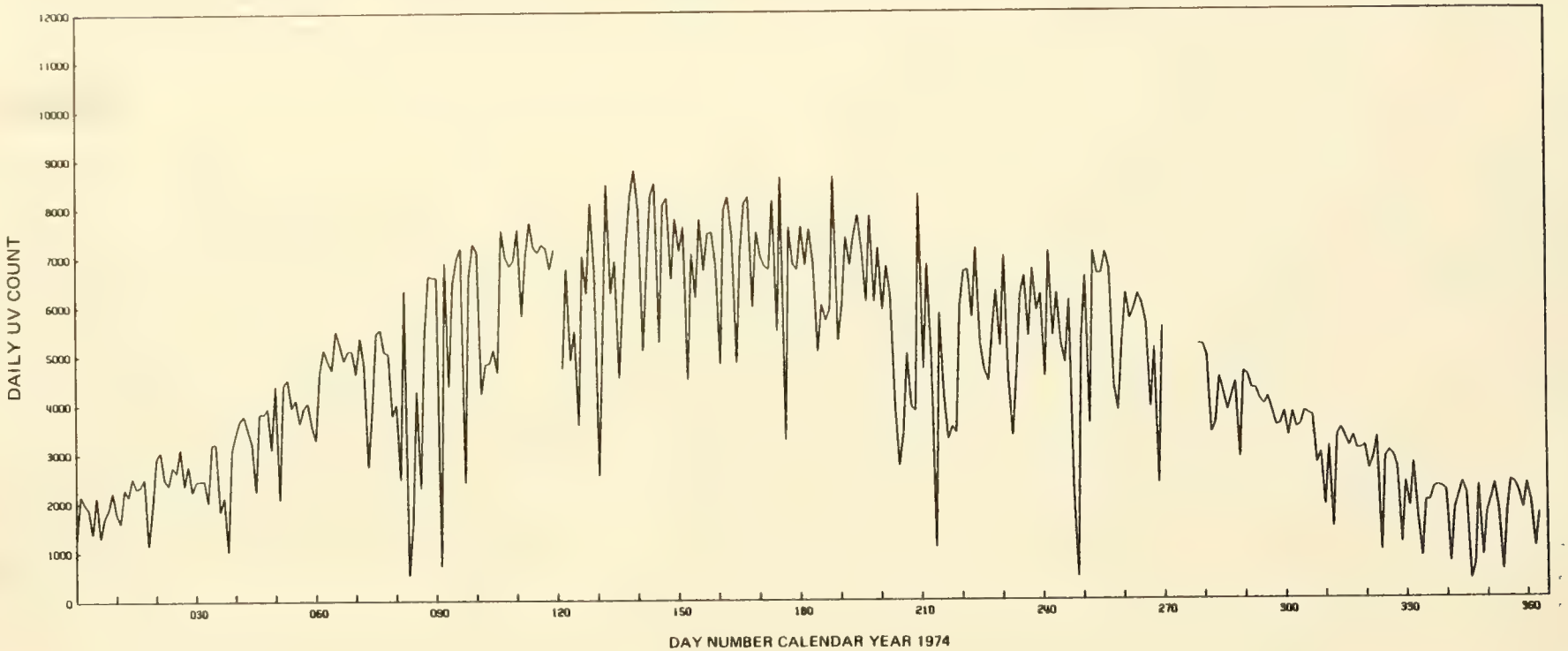
TABLES AND FIGURES

FIGURE 1.1 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974, MAUNA LOA



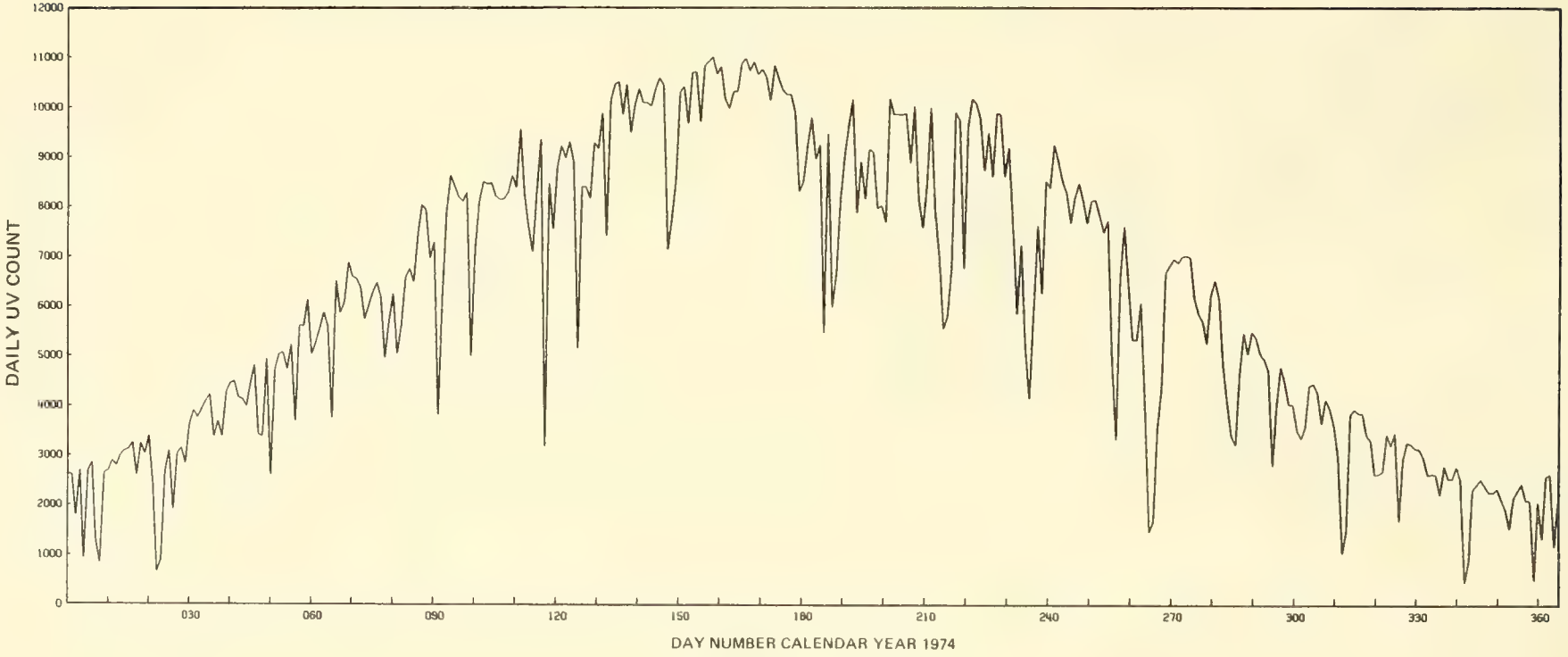
Gaps signify missing data.

FIGURE 1.2 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974, TALLAHASSEE, FLORIDA



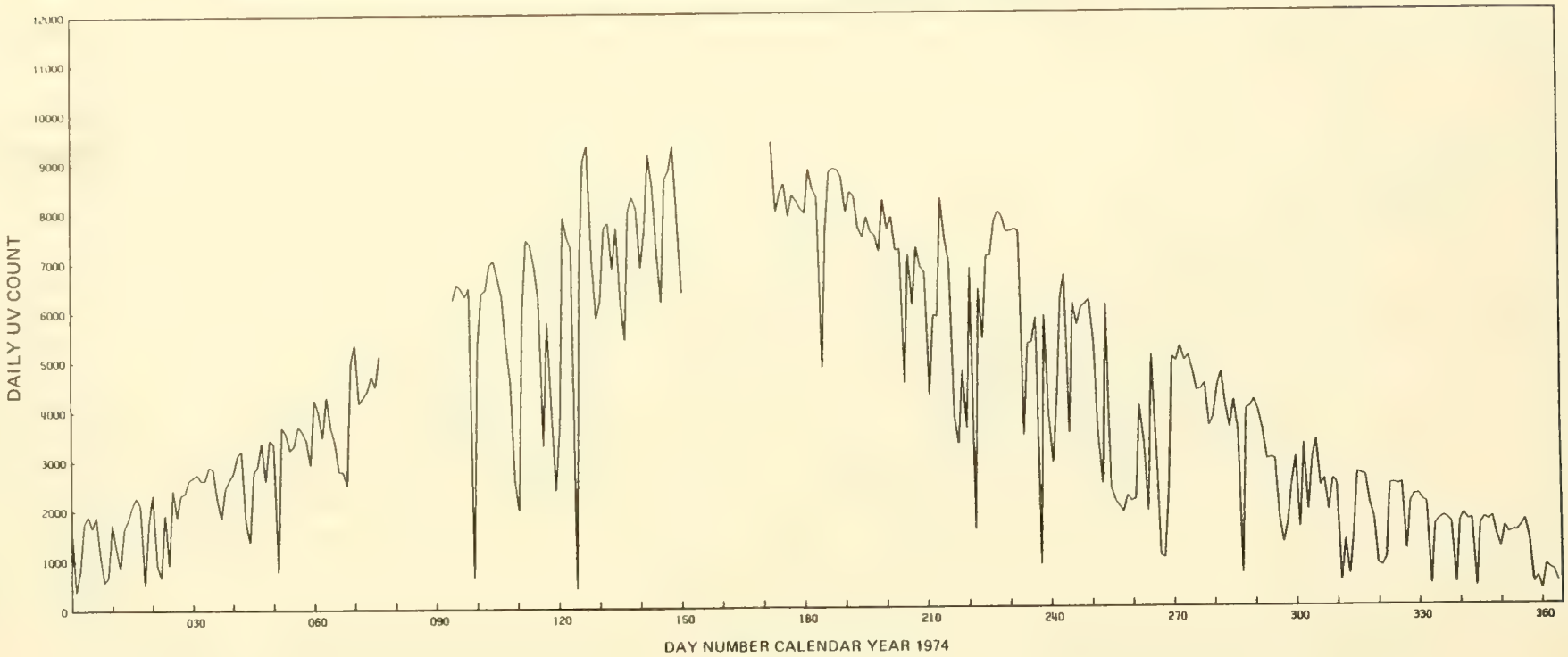
Gaps signify missing data.

FIGURE 1.3 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974, EL PASO, TEXAS



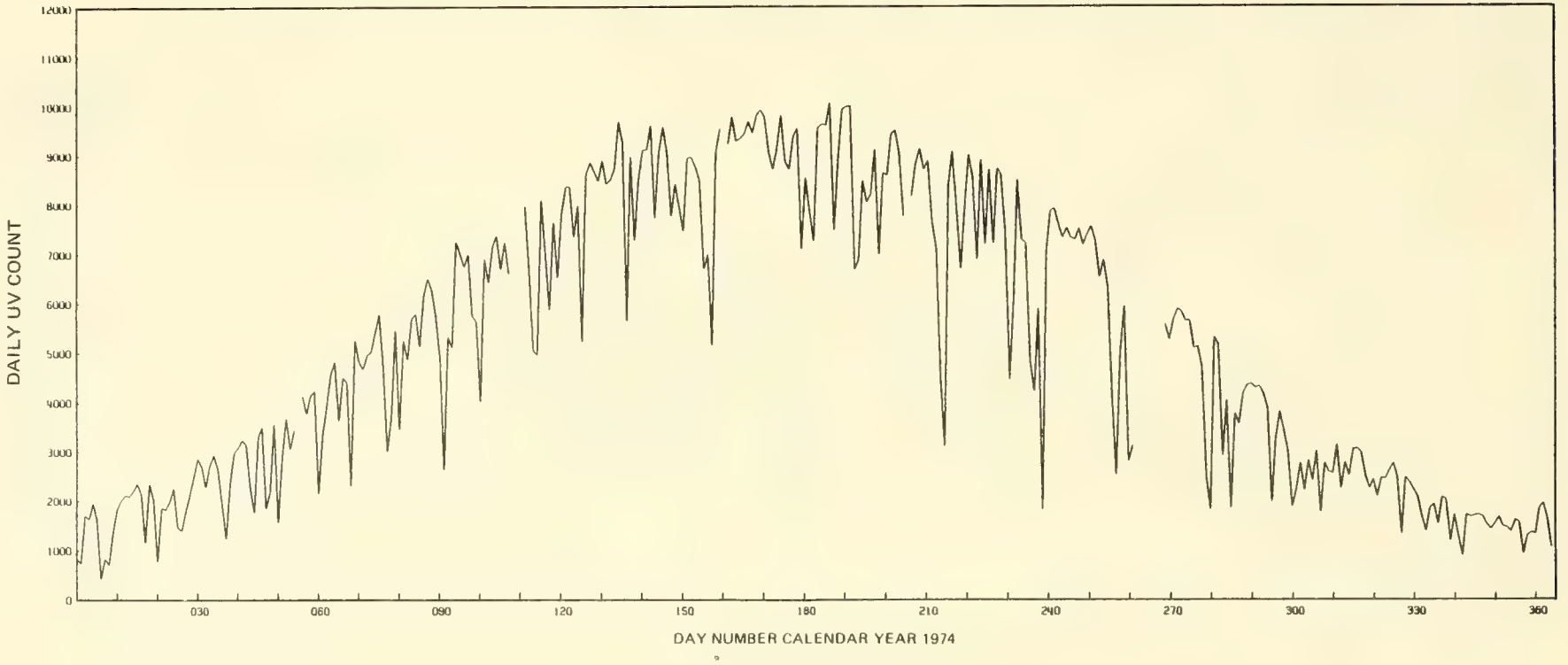
Gaps signify missing data.

FIGURE 1.4 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974, FORT WORTH, TEXAS



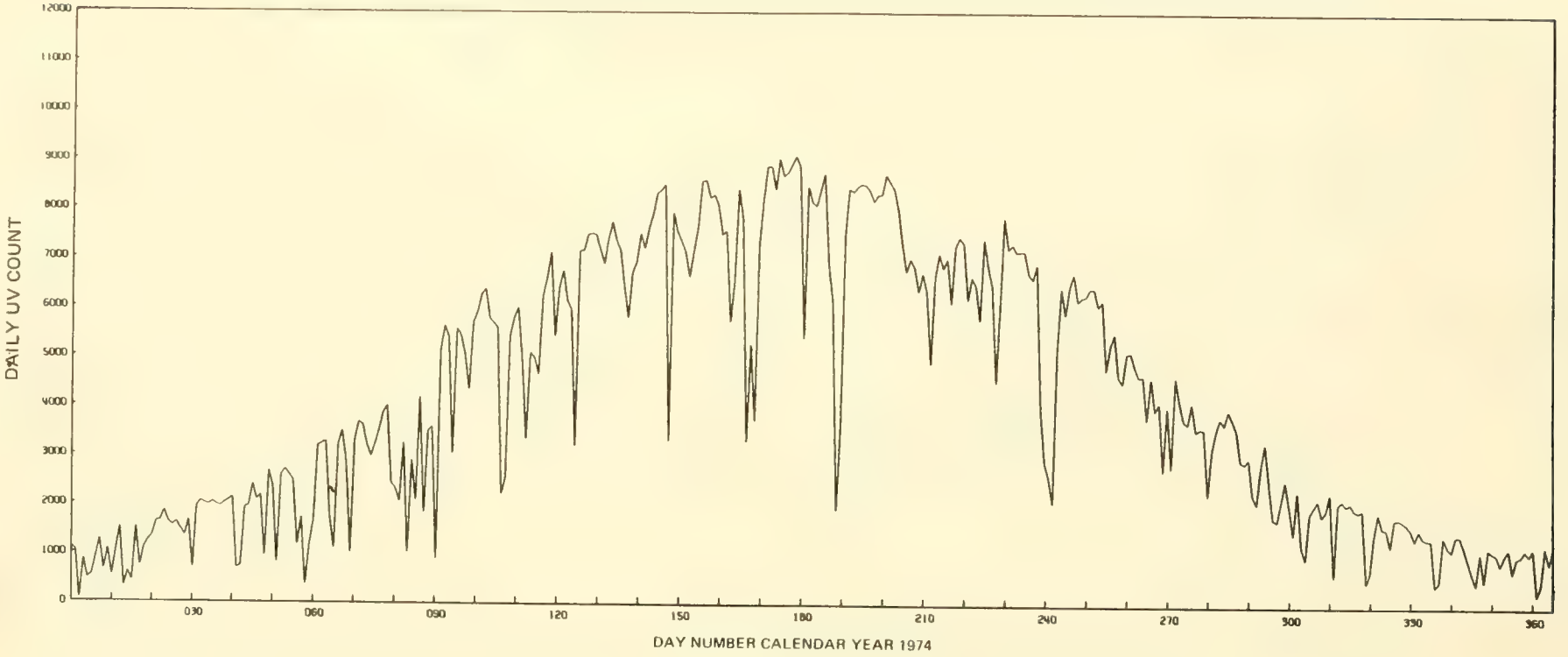
Gaps signify missing data.

FIGURE 1.5 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974, ALBUQUERQUE, NEW MEXICO



Gaps signify missing data.

FIGURE 1.6 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974, OAKLAND, CALIFORNIA



Gaps signify missing data.

FIGURE 1.7 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974, PHILADELPHIA, PENNSYLVANIA

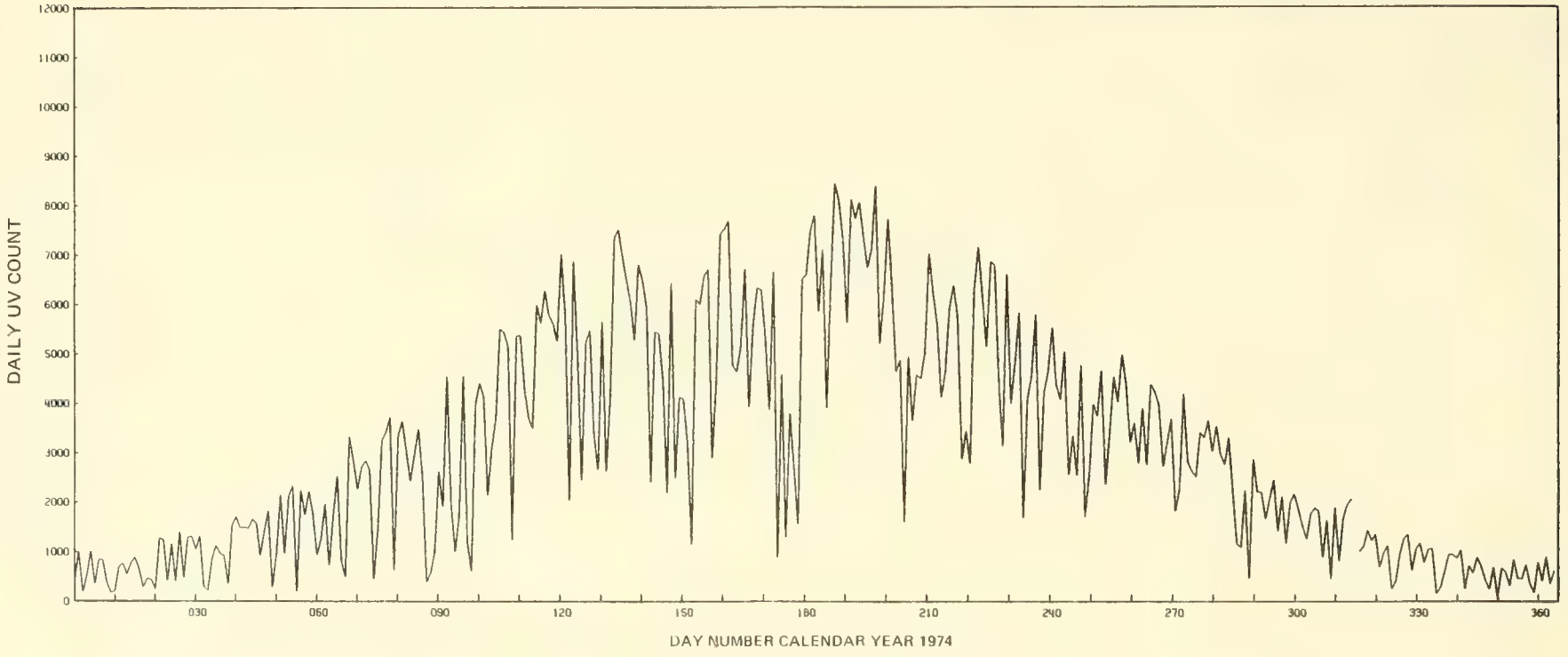


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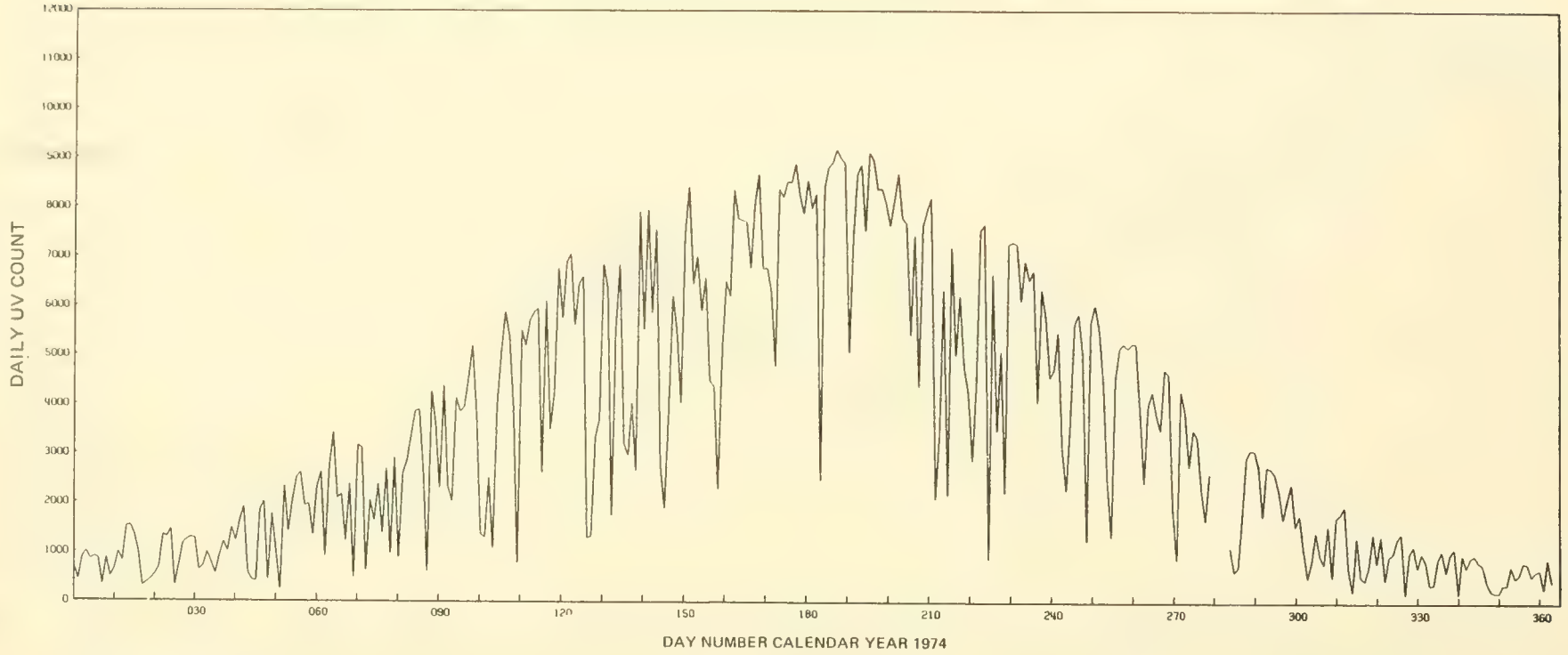
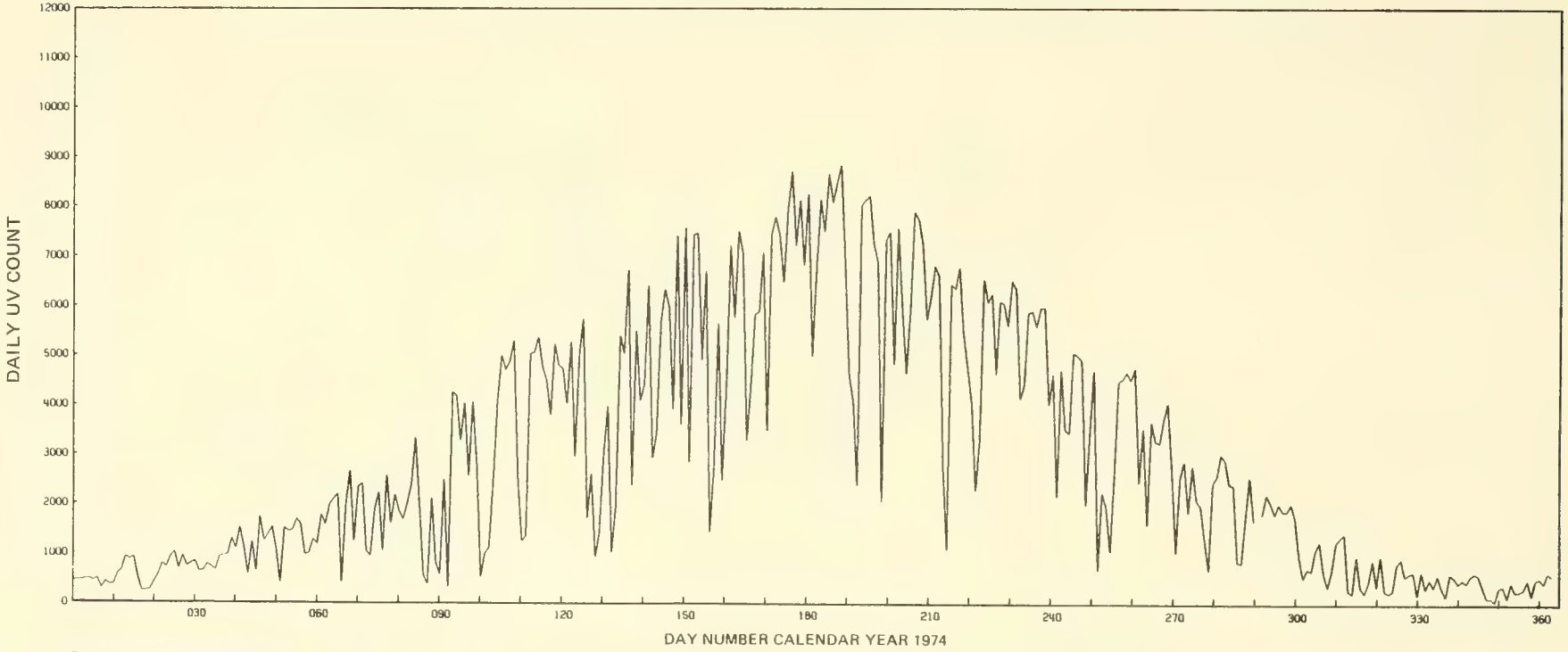
FIGURE 1.8 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974, DES MOINES, IOWA



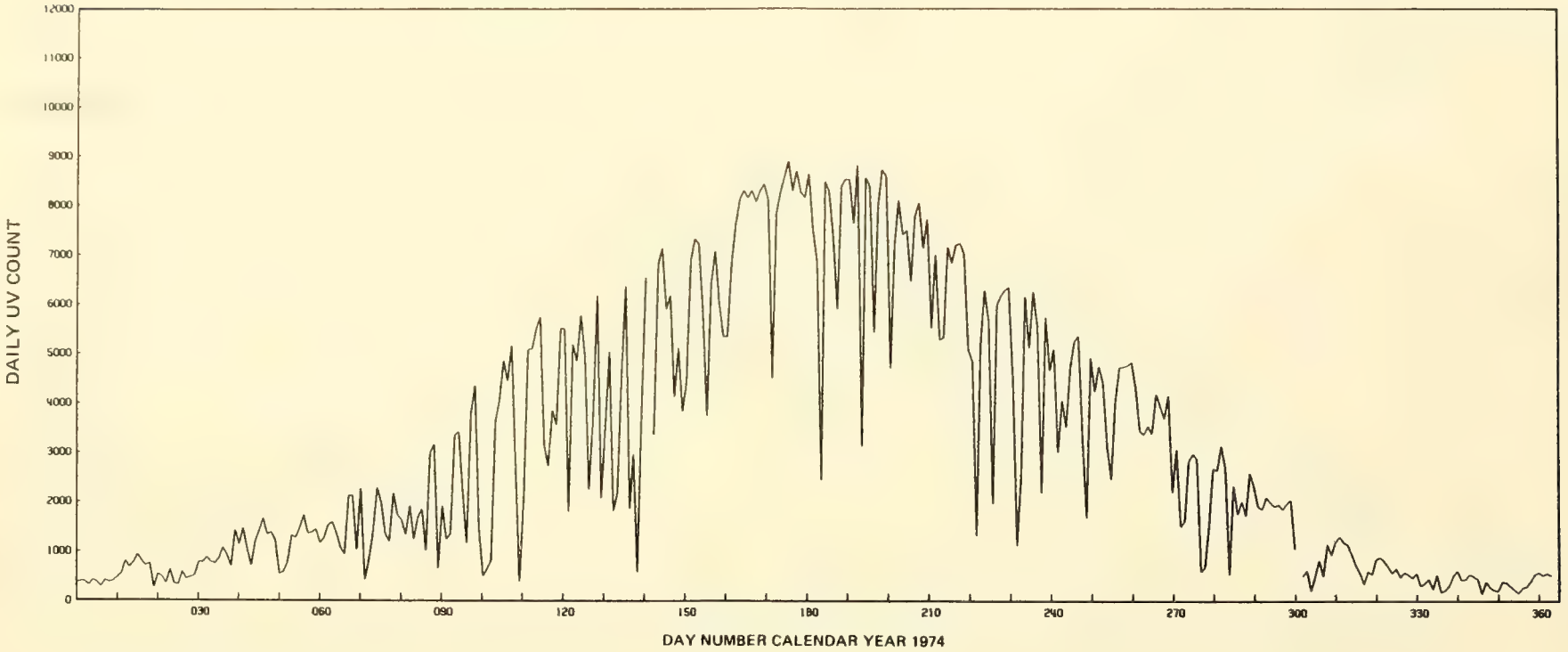
Gaps signify missing data.

FIGURE 1.9 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974, MINNEAPOLIS, MINNESOTA



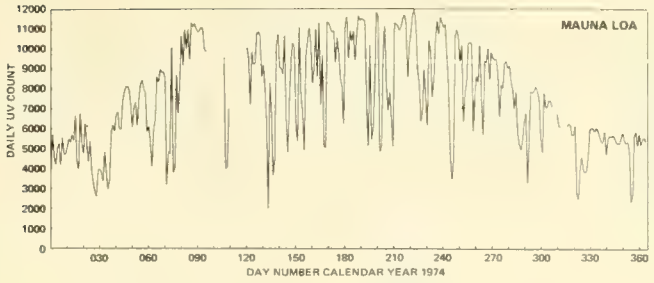
Gaps signify missing data.

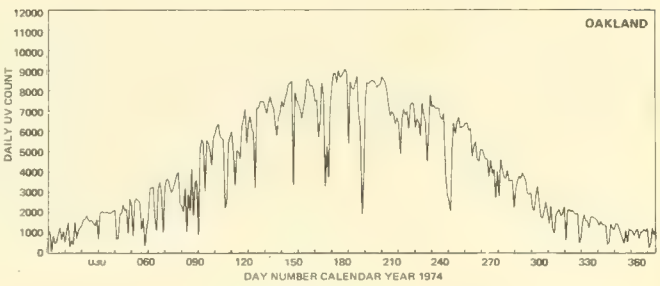
FIGURE 1.10 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974, BISMARCK, NORTH DAKOTA

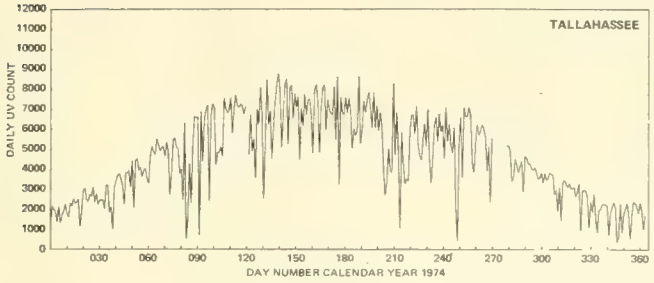


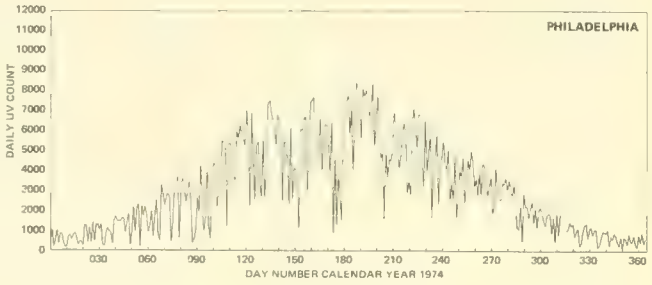
Gaps signify missing data.

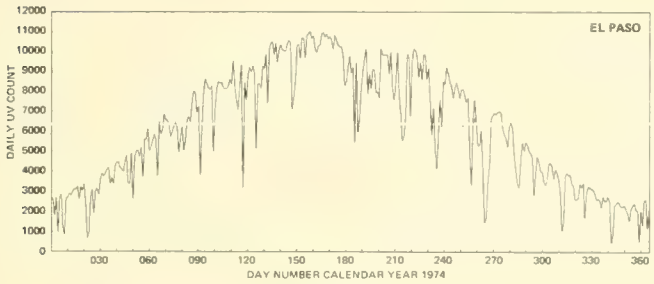
FIGURE 1.11 DAILY TOTAL UV COUNT FOR CALENDAR YEAR 1974

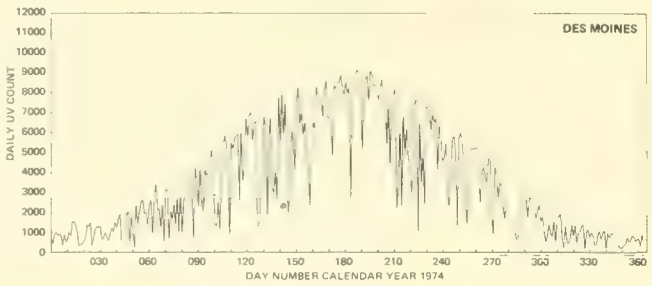


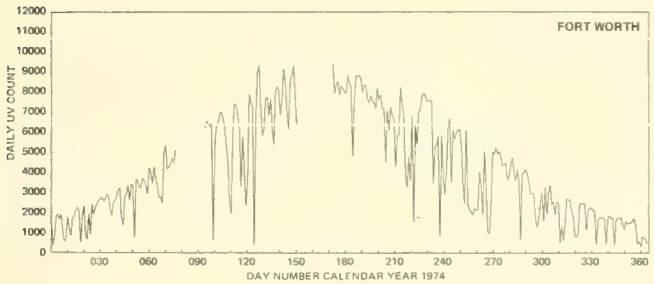


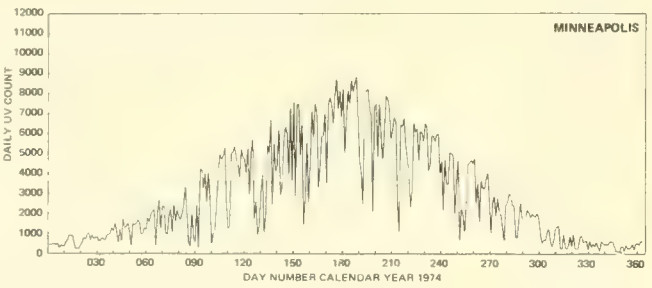


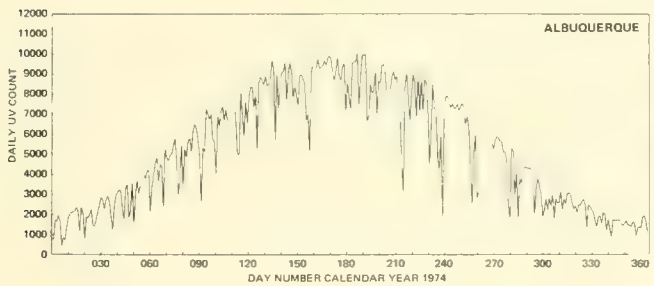












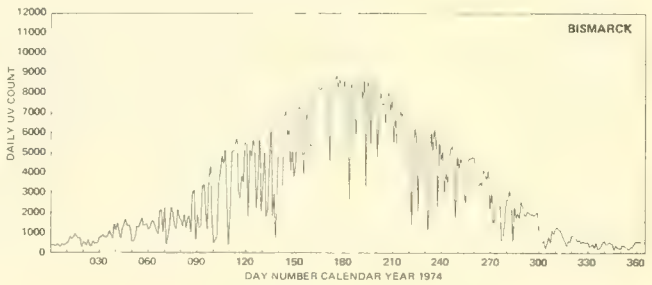


TABLE 1.1 SUMMARY STATISTICS OF DAILY UV COUNTS 1974

Area	Mean	Median	Minimum	Maximum	Range	Standard Deviation
Mauna Loa	7589	7761	2005	11979	9974	2440
Tallahassee	4550	4498	364	8750	8386	2064
El Paso	6129	6135	461	11004	10543	2892
Fort Worth	4400	3948	298	9387	9089	2594
Albuquerque	5179	5126	425	10054	9629	2818
Oakland	4133	3571	70	9076	9006	2648
Philadelphia	3043	2541	92	8428	8336	2220
Des Moines	3429	2603	184	9166	8982	2658
Minneapolis	2918	2082	78	8843	8765	2431
Bismarck	3088	2036	158	8892	8734	2646

TABLE 1.2 RELATIVE FREQUENCY DISTRIBUTION OF DAILY UV COUNTS FOR 1974 AT EACH LOCATION

Daily Count	Mauna Loa	Talla-hassee	El Paso	Ft. Worth	Albu-querque	Oakland	Phila-delphia	Des Moines	Minne-apolis	Bismarck
0-1000	0	2.7	1.9	8.2	2.2	9.0	23.3	24.1	31.5	31.0
1001-2000	0	8.5	3.3	14.8	15.1	21.6	18.6	17.0	16.7	18.6
2001-3000	2.2	15.9	12.9	15.9	15.9	13.1	14.2	13.7	12.9	8.8
3001-4000	5.2	16.4	13.4	13.7	7.7	10.7	10.7	8.2	5.5	7.1
4001-5000	7.4	13.7	8.2	7.7	7.7	5.2	10.4	6.6	11.0	7.9
5001-6000	18.6	13.1	9.0	6.6	10.9	7.7	9.3	8.8	7.7	8.5
6001-7000	11.0	14.8	9.6	9.0	6.8	12.0	7.7	7.4	6.0	4.9
7001-8000	9.6	10.7	7.1	10.9	11.8	10.7	4.4	6.6	5.7	5.5
8001-9000	14.5	4.1	13.4	11.8	10.9	9.3	1.4	7.1	3.0	7.7
9001-10000	9.6	0	9.6	1.4	10.7	0.5	0	.5	0	0
10001-	21.9	0	11.5	0	0.3	0	0	0	0	0
Total %	100	99.9	99.9	100	100	99.8	100	100	100	100
Daily Median Count	7761	4498	6135	3948	5126	3571	2541	2603	2082	2036

TABLE 1.3 SUMMARY OF UV COUNTS - JANUARY, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	3,937	1,215	2,615	1,625	825	1,104	452	693	447	378
02	5,711	2,163	2,608	383	746	1,044	1,011	437	455	394
03	4,602	1,977	1,790	800	1,719	70	185	885	455	393
04	4,199	1,875	2,710	1,769	1,631	870	538	1,010	483	312
05	5,029	1,373	930	1,916	1,960	474	1,017	841	483	427
06	5,252	2,132	2,699	1,654	1,615	545	347	889	440	378
07	4,189	1,297	2,860	1,909	425	917	848	864	497	282
08	5,556	1,711	1,289	1,122	842	1,274	838	336	292	422
09	4,756	1,884	841	572	713	661	383	885	426	376
10	4,718	2,235	2,658	691	1,373	1,081	172	496	363	402
11	5,067	1,787	2,701	1,759	1,836	542	221	649	376	481
12	5,480	1,600	2,893	1,235	2,018	1,074	714	996	590	555
13	5,325	2,299	2,789	849	2,112	1,522	774	810	672	808
14	5,709	2,136	3,011	1,667	2,094	329	549	1,514	941	681
15	5,414	2,527	3,096	1,840	2,203	620	769	1,539	879	781
16	6,654	2,293	3,125	2,112	2,364	431	891	1,349	928	940
17	4,348	2,346	3,252	2,277	2,135	1,537	649	1,001	521	800
18	3,993	2,509	2,601	2,098	1,165	734	282	306	237	714
19	6,771	1,137	3,238	518	2,359	1,109	465	373	253	767
20	5,268	1,917	3,029	1,773	2,023	1,252	434	441	271	268
21	4,771	2,920	3,390	2,341	782	1,353	248	541	434	544
22	6,266	3,051	2,392	915	1,858	1,642	1,283	689	580	486
23	5,257	2,472	664	663	1,819	1,661	1,231	1,351	800	350
24	4,344	2,365	900	1,947	1,997	1,856	415	1,296	723	635
25	5,382	2,745	2,689	913	2,259	1,624	1,166	1,461	940	345
26	3,933	2,614	3,100	2,445	1,466	1,553	407	324	1,038	322
27	3,310	3,112	1,910	1,876	1,398	1,624	1,408	743	694	590
28	2,877	2,356	3,046	2,328	1,793	1,476	473	1,168	963	442
29	2,599	2,769	3,152	2,360	2,129	1,351	1,299	1,249	744	482
30	3,942	2,237	2,835	2,626	2,487	1,663	1,314	1,289	799	509
31	3,942	2,446	3,627	2,674	2,861	705	1,051	1,269	846	777
TOTAL	148,601	67,500	78,440	49,657	53,007	33,698	21,834	27,694	18,570	16,041

TABLE 1.4 SUMMARY OF UV COUNTS - FEBRUARY, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	3,822	2,458	3,906	2,756	2,701	1,940	1,320	630	643	779
02	3,357	2,471	3,756	2,610	2,290	2,057	287	713	652	876
03	4,827	2,013	3,929	2,609	2,725	2,005	219	996	790	782
04	3,771	3,205	4,105	2,888	2,927	1,971	860	787	725	751
05	2,958	3,204	4,225	2,842	2,655	2,043	1,131	559	667	852
06	3,438	1,827	3,372	2,236	1,941	1,970	962	923	948	1,069
07	5,849	2,124	3,688	1,846	1,238	1,948	915	1,206	963	921
08	6,194	1,016	3,376	2,455	2,338	2,014	347	1,013	981	701
09	5,882	3,084	4,278	2,630	2,973	2,069	1,556	1,492	1,303	1,433
10	6,705	3,407	4,453	2,765	3,087	2,132	1,706	1,219	1,103	1,143
11	6,846	3,679	4,494	3,120	3,230	694	1,478	1,637	1,522	1,473
12	6,000	3,778	4,162	3,215	3,142	742	1,495	1,910	1,132	1,042
13	5,985	3,484	4,121	1,780	2,261	1,919	1,470	595	582	710
14	7,381	3,208	3,979	1,373	1,773	1,971	1,658	429	1,236	1,202
15	7,892	2,235	4,474	2,777	3,308	2,400	1,568	403	649	1,430
16	8,092	3,828	4,808	2,895	3,499	2,085	912	1,842	1,733	1,662
17	8,142	3,810	3,414	3,359	1,851	2,171	1,421	2,023	1,260	1,334
18	7,935	3,939	3,375	2,596	2,200	955	1,825	438	1,386	1,389
19	7,209	3,089	4,934	3,426	3,561	2,668	284	1,768	1,530	1,212
20	6,081	4,389	2,609	3,330	1,569	2,356	960	1,002	1,083	547
21	7,084	2,069	4,734	762	2,871	817	2,160	240	412	587
22	7,321	4,417	5,041	3,679	3,675	2,591	968	2,342	1,522	782
23	6,171	4,514	5,070	3,537	3,051	2,709	2,131	1,419	1,439	1,320
24	7,540	3,942	4,737	3,207	3,444	2,588	2,332	2,062	1,474	1,269
25	8,260	4,095	5,225	3,313	2,930	2,470	202	2,517	1,696	1,474
26	8,425	3,622	3,692	3,698	4,115	1,172	2,241	2,611	1,572	1,722
27	7,940	3,944	5,612	3,587	3,770	1,728	1,741	1,932	978	1,355
28	7,790	4,036	5,594	3,411	4,145	366	2,221	1,974	1,004	1,377
TOTAL	178,897	90,887	119,163	78,702	79,270	52,551	36,370	36,682	30,985	31,194

TABLE 1.5 SUMMARY OF UV COUNTS - MARCH, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	5,863	3,558	6,126	2,907	4,228	1,167	1,753	1,342	1,288	1,438
02	6,121	3,272	5,024	4,221	2,152	1,682	927	2,332	1,182	1,161
03	5,322	4,665	5,274	3,972	3,337	3,189	1,269	2,614	1,784	1,276
04	4,113	5,123	5,560	3,460	3,941	3,229	1,968	910	1,580	1,529
05	5,910	4,877	5,876	4,284	4,576	3,281	714	2,725	1,988	1,592
06	6,475	4,712	5,562	3,669	4,822	1,724	1,745	3,422	2,107	1,355
07	8,608	5,505	3,742	3,360	3,630	1,103	2,535	2,082	2,198	1,068
08	8,344	5,212	6,503	2,767	4,500	3,219	807	2,164	415	931
09	8,956	4,896	5,863	2,771	4,407	3,484	495	1,222	2,006	2,119
10	8,819	5,094	6,071	2,490	2,320	2,845	3,324	2,388	2,666	2,123
11	8,850	5,091	6,880	4,971	5,265	1,015	2,837	482	1,242	1,017
12	8,496	4,629	6,587	5,335	4,822	3,281	2,265	3,162	2,344	2,264
13	3,182	5,364	6,540	4,143	4,675	3,670	2,704	3,113	2,418	417
14	4,835	4,810	6,368	4,277	4,958	3,605	2,863	632	1,043	826
15	4,740	2,727	5,737	4,395	5,025	3,214	2,640	2,054	943	1,393
16	10,083	3,912	6,022	4,693	5,424	2,972	460	1,642	1,874	2,283
17	3,795	5,457	6,288	4,479	5,782	3,226	1,457	2,386	2,224	1,974
18	4,058	5,529	6,467	5,104	4,713	3,521	3,246	1,388	1,049	1,343
19	8,666	5,061	6,166	3,961	3,003	3,872	3,410	2,694	2,567	1,194
20	6,773	5,034	4,950	3,961	3,713	3,998	3,715	974	1,604	2,172
21	8,406	3,767	5,705	3,961	5,462	2,420	622	2,921	2,179	1,728
22	10,648	3,999	6,248	3,961	3,453	2,318	3,344	894	1,845	1,624
23	9,175	2,470	5,042	3,961	5,258	2,046	3,630	2,598	1,686	1,328
24	10,975	6,322	5,613	3,961	4,872	3,250	3,032	2,853	2,009	1,910
25	10,002	527	6,571	3,961	5,691	1,023	2,421	3,375	2,394	1,237
26	10,990	1,622	6,751	3,961	5,798	2,892	2,960	3,857	3,345	1,689
27	9,460	4,278	6,473	3,961	5,135	2,080	3,481	3,883	1,975	1,845
28	11,313	2,295	7,415	3,961	6,159	4,164	2,509	2,679	551	1,006
29	11,109	5,353	8,028	3,961	6,513	1,824	384	599	391	2,991
30	11,272	6,620	7,917	3,961	6,280	3,497	574	4,252	2,133	3,151
31	11,010	6,577	6,955	3,961	5,750	3,570	1,004	3,593	815	648
TOTAL	246,369	138,358	190,324	122,791	145,664	86,381	65,095	71,232	53,845	48,632

TABLE 1.6 SUMMARY OF UV COUNTS - APRIL, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	10,847	6,586	7,281	5,431	4,929	903	2,625	2,285	582	1,913
02	10,940	711	3,812	5,431	2,627	5,126	1,905	4,369	2,495	1,232
03	11,077	6,886	6,190	5,431	5,335	5,610	4,534	2,321	319	1,347
04	10,965	4,367	7,875	5,431	5,111	5,382	1,973	2,027	4,251	3,334
05	9,982	6,454	8,618	6,222	7,253	3,023	988	4,126	4,186	3,414
06	9,873	6,983	8,397	6,540	7,005	5,566	1,728	3,842	3,268	2,189
07	8,257	7,188	8,177	6,432	6,743	5,415	4,555	3,941	4,039	1,157
08	8,768	2,398	8,095	6,287	6,997	5,031	1,184	4,545	2,560	3,786
09	8,786	6,626	8,278	6,470	5,749	4,320	608	5,180	4,076	4,350
10	8,786	7,268	4,985	622	5,625	5,683	3,981	3,787	2,756	1,475
11	8,786	7,087	7,130	5,285	4,011	5,892	4,405	1,358	533	498
12	8,786	4,202	8,105	6,351	6,908	6,257	4,124	1,298	1,012	634
13	8,786	4,817	8,493	6,428	6,426	6,357	2,141	2,512	1,118	813
14	8,786	4,839	8,439	6,928	7,159	5,749	3,112	1,075	2,434	3,604
15	9,854	5,108	8,466	7,013	7,375	5,661	3,696	3,970	4,085	4,056
16	8,484	4,640	8,188	6,670	6,700	5,564	5,507	5,039	4,996	4,856
17	9,573	7,547	8,133	6,288	7,240	2,213	5,412	5,868	4,699	4,430
18	4,020	7,000	8,142	5,309	6,606	2,548	5,129	5,367	4,879	5,156
19	4,066	6,800	8,27-	4,553	6,274	5,414	1,241	3,921	5,306	2,658
20	7,011	6,928	8,615	2,560	6,274	5,782	5,362	783	2,552	386
21	8,637	7,560	8,368	1,972	6,178	5,996	5,360	5,495	1,255	2,073
22	8,786	5,793	9,561	6,037	7,957	4,943	4,281	5,173	1,358	5,078
23	8,786	7,006	8,220	7,422	6,628	3,319	3,689	5,685	5,034	5,084
24	8,786	7,705	7,560	7,311	5,030	5,073	3,480	5,859	5,065	5,488
25	8,786	7,180	7,078	6,893	4,960	4,969	5,975	5,933	5,361	5,737
26	8,786	7,082	8,321	6,196	8,096	4,635	5,619	2,600	4,753	3,136
27	8,786	7,237	9,353	3,271	7,009	6,226	6,269	6,096	4,482	2,717
28	8,786	7,171	3,178	5,780	5,870	6,599	5,757	3,477	3,788	3,851
29	6,674	6,733	8,468	4,010	7,645	7,103	5,602	4,237	5,227	3,538
30	10,334	7,145	7,545	2,383	6,525	5,409	5,244	6,764	4,790	5,527
TOTAL	263,580	185,047	231,345	162,957	188,245	151,768	115,486	118,933	101,259	93,517

TABLE 1.7 SUMMARY OF UV COUNTS - MAY, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	10,060	6,580	8,807	3,668	7,823	6,414	7,006	5,741	4,725	5,480
02	9,533	4,716	9,219	7,889	8,365	6,733	5,737	6,878	4,016	1,794
03	7,211	6,748	8,973	7,469	8,352	6,112	2,022	7,037	5,273	5,183
04	9,866	4,884	9,300	7,247	7,351	5,940	6,862	5,587	2,952	4,827
05	9,213	5,480	8,869	389	7,984	3,187	4,969	6,433	5,019	5,767
06	9,279	3,561	5,153	6,732	5,230	7,137	2,435	6,574	5,748	4,905
07	10,779	7,010	8,389	9,025	8,620	7,151	5,232	1,290	1,721	2,234
08	10,839	6,239	8,385	9,321	8,855	7,468	5,466	1,317	2,607	3,698
09	10,658	8,083	8,148	7,128	8,673	7,489	3,358	3,325	936	6,175
10	8,596	6,696	9,279	5,833	8,476	7,462	2,649	3,687	1,422	2,056
11	9,189	2,533	9,155	6,191	8,895	7,148	5,657	6,832	3,003	3,506
12	8,001	5,514	9,875	7,675	8,414	6,873	2,605	6,342	3,974	5,024
13	6,413	8,471	7,395	7,772	8,494	7,387	4,144	1,740	1,026	1,808
14	2,005	6,232	10,122	6,827	8,732	7,721	7,329	5,559	1,939	2,165
15	8,304	6,904	10,454	7,677	9,683	7,338	7,500	6,833	5,398	4,610
16	6,709	4,512	10,504	6,168	9,263	7,135	6,940	3,197	5,035	6,353
17	3,664	6,104	9,847	5,398	5,639	6,361	6,467	2,964	6,721	1,850
18	4,496	7,291	10,456	8,012	8,972	5,782	6,046	4,026	2,380	2,963
19	10,177	8,240	9,480	8,297	7,272	6,708	5,260	2,651	5,501	580
20	10,726	8,750	10,051	8,030	8,518	6,918	6,796	7,907	4,084	3,803
21	9,066	7,934	10,364	6,846	9,108	7,489	6,463	5,502	4,425	6,530
22	9,029	5,075	10,077	7,608	9,109	7,185	5,928	7,937	6,423	4,116
23	8,728	6,753	10,080	9,145	9,597	7,607	2,402	5,851	2,936	3,351
24	10,660	8,253	10,012	8,517	7,719	7,890	5,444	7,546	3,414	6,803
25	6,569	8,491	10,365	7,143	9,059	8,308	5,394	2,744	5,687	7,132
26	4,813	5,245	10,585	6,151	9,573	8,382	4,448	1,888	6,330	5,885
27	7,444	8,056	10,434	8,641	9,038	8,485	2,183	3,857	5,973	6,166
28	9,526	8,184	7,127	8,814	7,766	3,295	6,425	6,198	3,905	4,116
29	10,294	6,522	7,765	9,319	8,420	7,915	2,481	5,464	7,421	5,111
30	10,063	7,772	8,520	7,777	7,938	7,526	4,123	4,017	3,605	3,821
31	6,189	7,100	10,302	6,352	7,476	7,332	4,072	7,489	7,603	4,435
TOTAL	258,099	203,933	287,492	223,061	258,414	215,878	153,843	154,413	131,202	132,247

TABLE 1.8 SUMMARY OF UV COUNTS - JUNE, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	5,378	7,607	10,426	8,286	8,947	7,113	3,206	8,402	2,850	6,881
02	11,088	4,477	9,669	8,286	8,955	6,607	1,151	6,427	7,442	7,322
03	7,670	7,057	10,693	8,286	8,758	7,141	6,098	6,989	7,473	7,197
04	6,912	6,139	10,702	8,286	8,480	7,628	5,988	5,895	4,916	5,767
05	4,936	7,750	9,697	8,286	6,697	8,557	6,560	6,564	6,719	3,727
06	9,617	6,688	10,828	8,286	7,000	8,583	6,697	4,478	1,444	6,421
07	10,361	7,462	10,910	8,286	5,151	8,209	2,888	4,355	2,712	7,063
08	11,047	7,495	11,004	8,286	9,060	8,282	4,432	2,287	5,663	5,994
09	10,323	6,796	10,660	8,286	9,529	8,073	7,421	5,056	2,481	5,334
10	8,269	4,799	10,798	8,286	9,851	7,467	7,512	6,492	4,379	5,348
11	9,060	7,953	10,149	8,286	9,223	7,556	7,671	6,188	7,225	6,807
12	10,971	8,204	9,970	8,286	9,783	5,700	4,754	8,345	5,768	7,607
13	8,605	7,417	10,316	8,286	9,277	6,553	4,626	7,746	7,512	8,118
14	11,294	4,825	10,312	8,286	9,339	8,393	5,151	7,718	7,050	8,303
15	7,179	7,074	10,886	8,286	9,438	7,776	6,711	7,686	3,282	8,142
16	9,693	8,074	10,969	8,286	9,691	3,278	3,923	6,758	4,405	8,306
17	5,167	8,204	10,723	8,286	9,442	5,259	5,586	8,071	5,852	8,059
18	5,063	5,961	10,904	8,286	9,816	3,718	6,329	8,657	5,891	8,294
19	11,329	7,497	10,653	8,286	9,916	7,259	6,277	6,732	7,086	8,431
20	11,285	6,982	10,756	8,286	9,768	8,185	5,312	6,767	3,490	8,104
21	11,016	6,783	10,596	8,286	9,061	8,866	3,866	6,269	7,455	4,493
22	10,832	6,712	10,125	9,387	8,705	8,868	6,663	4,761	7,798	7,835
23	10,900	8,133	10,834	7,959	9,153	8,389	888	8,361	7,426	8,268
24	9,293	5,467	10,563	8,348	9,808	9,026	4,581	8,196	6,481	8,582
25	10,561	8,605	10,337	8,546	8,870	8,664	1,295	8,510	7,950	8,892
26	9,805	3,257	10,236	7,863	8,710	8,746	3,803	8,489	8,720	8,288
27	8,512	7,597	10,244	8,307	9,378	8,904	2,699	8,874	7,222	8,697
28	8,138	6,816	9,876	8,186	9,544	9,076	1,558	8,225	8,131	8,248
29	6,237	6,714	8,292	8,024	7,096	8,848	6,509	7,851	6,826	8,151
30	11,269	7,615	8,501	7,953	8,554	5,380	6,591	8,576	8,306	8,692
TOTAL	271,810	206,160	310,629	248,579	266,990	226,104	146,746	209,725	179,955	221,371

TABLE 1.9 SUMMARY OF UV COUNTS - JULY, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	11,602	6,806	9,217	8,838	7,844	8,457	7,484	7,962	4,983	7,491
02	9,524	7,556	9,783	8,414	7,261	8,130	7,783	8,261	6,759	6,845
03	10,904	6,850	8,938	8,255	9,558	8,055	5,842	2,462	8,156	2,441
04	10,376	5,047	9,231	4,819	9,624	8,396	7,093	8,384	7,495	8,479
05	10,889	6,015	5,453	7,571	9,610	8,716	3,910	8,803	8,664	8,268
06	9,404	5,688	9,448	8,785	10,054	6,873	6,413	8,893	8,087	7,307
07	10,676	5,914	5,970	8,842	7,476	6,126	8,428	9,166	8,491	5,885
08	11,645	8,615	6,641	8,811	8,898	1,916	8,078	8,991	8,843	8,385
09	11,420	5,276	8,133	8,660	9,929	3,617	7,288	8,878	6,882	8,524
10	11,513	5,989	9,007	7,958	9,981	7,469	5,608	5,046	4,625	8,516
11	11,456	7,390	9,640	8,378	9,999	8,415	8,110	7,378	4,055	7,621
12	11,361	6,800	10,152	8,273	6,673	8,337	7,708	8,665	2,393	8,816
13	7,213	7,421	7,860	7,627	6,892	8,450	8,052	8,857	8,039	3,123
14	5,153	7,821	8,903	7,444	8,492	8,506	7,349	7,516	8,141	8,567
15	10,203	7,102	8,147	7,859	8,042	8,479	6,725	9,103	8,221	8,373
16	5,474	6,056	9,141	7,544	8,208	8,377	7,088	8,944	7,243	5,420
17	6,104	7,816	9,086	7,487	9,122	8,142	8,374	8,348	6,881	7,991
18	8,537	6,055	7,947	7,153	6,988	8,290	5,196	8,367	2,055	8,719
19	11,852	7,166	8,011	8,216	8,643	8,294	6,145	8,065	7,326	8,587
20	11,643	5,891	7,678	7,595	8,580	8,691	7,720	7,620	7,492	4,705
21	4,860	6,802	10,165	7,862	9,430	8,538	6,322	8,114	4,821	7,214
22	5,169	6,159	9,840	7,168	9,501	8,390	4,637	8,672	7,576	8,104
23	9,719	3,947	9,841	7,213	9,029	7,976	4,871	7,757	5,880	7,399
24	11,152	2,717	9,834	4,503	7,754	7,261	1,596	7,668	4,643	7,493
25	8,231	3,379	9,862	7,111	8,375	6,733	4,949	5,410	5,986	6,456
26	6,920	5,019	8,867	6,076	8,168	6,990	3,642	7,434	7,893	7,781
27	7,832	3,914	10,010	7,249	8,824	6,808	4,573	4,355	7,742	8,058
28	6,560	3,835	8,133	6,830	9,133	6,334	4,482	7,631	7,251	7,122
29	5,125	8,271	7,568	6,742	8,710	6,699	5,017	7,925	5,721	7,720
30	11,315	4,686	8,458	4,267	8,893	6,326	7,010	8,193	6,183	5,508
31	11,224	6,844	9,981	5,873	7,673	4,878	6,206	2,082	6,813	7,000
TOTAL	285,056	188,847	270,945	229,423	267,354	228,669	193,699	234,950	205,340	223,918

TABLE 1.10 SUMMARY OF UV COUNTS - AUGUST, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	11,162	4,876	7,883	5,845	7,116	6,625	5,604	3,403	6,602	5,275
02	10,919	1,062	6,967	8,245	4,491	7,102	4,110	6,323	2,742	5,327
03	11,118	5,835	5,543	7,393	3,105	6,803	4,640	2,162	1,100	7,147
04	11,505	4,193	5,801	6,939	8,361	6,997	5,923	7,184	6,439	6,822
05	11,703	3,258	6,794	3,824	9,079	6,098	6,377	4,995	6,347	7,195
06	11,305	3,507	9,892	3,281	7,941	7,265	5,731	6,196	6,777	7,224
07	8,577	3,390	9,720	4,767	6,696	7,424	2,872	4,757	5,443	7,008
08	10,179	5,966	6,746	3,590	7,943	7,311	3,442	4,233	4,751	5,069
09	10,847	6,673	9,609	6,831	9,015	6,166	2,785	2,860	4,040	4,824
10	11,720	6,711	10,152	1,555	8,544	6,624	6,302	4,478	2,284	1,323
11	11,979	5,741	10,065	6,403	6,887	6,454	7,158	7,524	3,311	5,182
12	11,281	7,147	9,757	5,391	8,902	5,744	6,161	7,641	6,543	6,282
13	8,943	5,194	8,708	7,065	7,186	7,392	5,133	878	6,074	5,668
14	8,261	4,656	9,483	7,068	8,716	6,825	6,852	6,635	6,246	1,962
15	6,391	4,441	8,591	7,754	7,198	6,437	6,766	3,455	4,624	5,968
16	6,962	5,515	9,870	7,958	8,729	4,501	4,373	5,077	6,098	6,174
17	8,978	6,287	9,839	7,842	8,602	6,037	3,122	2,215	6,049	6,281
18	7,547	5,154	8,588	7,547	7,452	7,833	6,601	7,250	5,602	6,338
19	6,202	6,987	9,183	7,561	4,464	7,194	3,985	7,285	6,511	4,468
20	10,452	4,504	7,565	7,595	6,077	7,286	4,805	7,247	6,342	1,118
21	9,889	3,328	5,833	7,551	8,504	7,127	5,824	6,094	4,132	2,496
22	7,584	4,602	7,226	3,438	7,282	7,151	1,677	6,908	4,423	6,147
23	8,540	6,194	5,150	5,292	7,211	7,137	4,082	6,509	5,883	5,105
24	10,438	6,585	4,137	5,326	4,828	6,691	4,555	6,701	5,894	6,247
25	11,396	5,345	5,909	5,819	4,230	6,580	5,793	4,037	5,579	5,544
26	10,740	6,736	7,622	850	5,906	6,886	2,239	6,322	5,971	2,180
27	11,595	5,864	6,240	5,870	1,830	3,946	4,218	5,750	5,968	5,746
28	11,296	6,218	8,504	3,851	7,039	2,882	4,637	4,546	4,011	4,650
29	11,075	4,530	8,366	2,889	7,874	2,578	5,535	4,703	4,627	5,096
30	11,235	7,083	9,235	4,144	7,921	2,067	4,347	5,462	2,161	2,998
31	9,600	5,368	8,897	6,206	7,595	5,170	4,071	3,113	4,731	4,068
TOTAL	309,419	162,950	247,875	175,690	216,724	192,333	149,720	161,943	157,305	156,932

TABLE 1.11 SUMMARY OF UV COUNTS - SEPTEMBER, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	7,962	6,248	8,499	6,695	7,324	6,406	5,044	2,258	3,506	3,508
02	4,553	5,200	8,260	3,487	7,532	5,874	2,553	3,658	3,436	4,696
03	3,485	4,797	7,664	6,117	7,322	6,448	3,349	5,642	5,073	5,236
04	4,668	6,099	8,185	5,653	7,283	6,701	2,538	5,832	4,992	5,356
05	10,666	2,139	8,458	6,013	7,516	6,141	4,760	5,026	4,908	3,271
06	10,956	454	8,100	6,088	7,179	6,228	1,702	1,240	1,997	1,665
07	10,581	5,316	7,657	6,181	7,403	6,256	2,553	5,679	3,417	4,903
08	9,343	6,584	8,106	5,349	7,558	6,399	3,986	6,009	4,693	4,224
09	10,199	3,581	8,124	3,444	7,267	6,398	3,727	5,553	692	4,729
10	6,351	7,074	7,799	2,463	6,523	6,037	4,656	4,526	2,250	4,400
11	7,860	6,614	7,478	6,102	6,883	6,150	2,353	2,444	1,960	3,130
12	8,336	6,640	7,708	2,392	6,316	4,751	3,406	1,317	1,065	2,455
13	10,271	7,068	4,895	2,134	4,103	5,264	4,538	4,526	2,606	4,017
14	10,346	6,705	3,322	2,002	2,538	5,484	4,017	5,147	4,485	4,715
15	10,233	4,337	6,614	1,890	5,028	4,616	4,982	5,226	4,540	4,725
16	5,874	3,841	7,594	2,243	5,952	4,493	4,384	5,141	4,669	4,756
17	7,807	5,209	6,381	2,111	2,812	5,089	3,206	5,234	4,506	4,814
18	8,614	6,235	5,307	2,161	3,126	5,112	3,608	5,226	4,747	4,293
19	8,346	5,702	5,321	4,043	5,733	4,815	2,774	3,894	2,434	3,422
20	10,178	5,901	6,058	3,347	5,986	4,621	3,895	2,415	3,535	3,349
21	7,505	6,210	3,992	1,906	5,986	4,641	2,743	3,999	1,592	3,528
22	5,724	5,998	1,459	5,056	5,986	3,755	4,377	4,251	3,671	3,373
23	9,418	5,600	1,671	3,220	5,986	4,588	4,221	3,788	3,271	4,169
24	9,309	3,900	3,527	1,014	5,986	3,936	3,949	3,472	3,235	3,921
25	10,025	5,120	4,323	964	5,986	4,101	2,718	4,711	3,710	3,672
26	8,442	2,356	6,665	2,411	5,581	2,718	3,202	4,603	4,043	4,145
27	9,836	5,529	6,809	5,016	5,266	4,014	3,681	1,877	2,693	2,187
28	9,540	4,750	6,935	4,924	5,668	2,772	1,816	863	1,034	3,058
29	9,442	5,186	6,863	5,235	5,892	4,619	2,260	4,268	2,552	1,506
30	9,503	5,186	6,993	4,937	5,831	4,114	4,176	3,853	2,875	1,611
TOTAL	255,373	155,579	190,767	114,598	179,552	152,541	105,174	121,678	98,187	112,834

TABLE 1.12 SUMMARY OF UV COUNTS - OCTOBER, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	8,734	4,025	7,007	5,039	5,644	3,741	2,798	2,744	1,841	2,824
02	6,604	4,025	6,967	4,730	5,657	3,670	2,617	3,486	2,783	2,960
03	8,195	4,025	6,140	4,338	5,099	4,090	2,506	3,333	2,082	2,864
04	8,041	4,025	5,838	4,366	5,129	3,523	3,406	2,270	1,963	593
05	9,293	4,025	5,682	4,488	4,706	3,585	3,294	1,660	1,315	684
06	9,377	5,172	5,241	3,619	2,490	3,559	3,647	2,601	681	1,528
07	9,043	5,168	6,231	3,810	1,832	2,229	3,022	2,649	2,438	2,667
08	9,150	4,925	6,509	4,426	5,323	3,160	3,530	2,095	2,573	2,628
09	8,397	3,372	6,137	4,715	5,175	3,541	2,956	2,095	3,006	3,128
10	7,954	3,576	4,782	4,041	2,919	3,798	2,751	2,095	2,895	2,680
11	6,994	4,508	4,028	3,578	4,045	3,663	3,300	1,108	2,403	529
12	7,840	4,194	3,364	4,141	1,858	3,951	2,203	633	2,395	2,326
13	5,795	3,828	3,210	3,532	3,792	3,754	1,150	727	844	1,745
14	5,218	4,133	4,639	659	3,559	3,546	1,090	1,758	827	2,012
15	4,965	4,409	5,459	3,966	4,192	2,927	2,251	2,926	1,723	1,719
16	5,493	2,866	5,031	4,002	4,353	2,883	462	3,088	2,551	2,585
17	6,344	4,623	5,485	4,156	4,377	2,980	2,867	3,070	1,670	2,301
18	6,806	4,549	5,344	3,913	4,290	2,230	2,196	2,746	1,810	1,894
19	3,296	4,270	5,022	3,531	4,326	2,070	2,200	1,740	1,818	1,844
20	5,830	4,268	4,917	2,937	4,175	2,835	1,666	2,755	2,216	2,089
21	7,874	4,037	4,686	2,967	3,871	3,276	2,078	2,698	2,051	1,978
22	7,803	3,944	2,790	2,941	1,989	2,494	2,454	2,584	1,806	1,905
23	7,900	4,084	3,986	1,754	3,283	1,770	1,407	2,239	2,018	1,944
24	8,096	3,812	4,777	1,266	3,812	1,715	2,114	1,689	1,869	1,846
25	7,877	3,513	4,460	1,682	3,420	2,110	1,161	2,059	1,866	1,967
26	7,522	3,545	4,015	2,474	2,993	2,528	2,004	2,395	2,024	2,038
27	5,611	3,800	4,011	3,001	1,887	2,021	2,161	1,546	1,735	1,058
28	4,823	3,305	3,484	1,572	2,246	1,444	1,853	1,761	952	1,557
29	7,795	3,790	3,329	3,263	2,773	2,316	1,517	1,061	534	510
30	7,078	3,463	3,577	1,913	2,229	1,204	1,255	508	731	620
31	7,105	3,538	4,403	2,976	2,837	959	1,763	840	678	210
TOTAL	222,853	124,817	150,551	103,796	114,281	87,572	69,679	64,959	56,098	57,233

TABLE 1.13 SUMMARY OF UV COUNTS - NOVEMBER, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	7,439	3,813	4,436	3,355	2,420	1,882	1,880	1,425	1,099	515
02	7,371	3,749	4,256	2,401	3,024	2,722	1,805	961	1,257	832
03	7,100	3,707	3,634	2,547	1,786	2,152	882	784	640	502
04	5,747	2,743	4,119	1,916	2,787	1,831	1,652	1,551	356	1,149
05	5,251	2,973	3,928	2,543	2,579	1,945	460	526	685	941
06	6,750	1,886	3,602	2,449	2,563	2,287	1,895	1,723	1,252	1,200
07	6,144	3,108	2,968	494	3,150	626	813	1,790	1,351	1,298
08	6,090	1,438	1,040	1,324	2,259	2,082	1,690	1,944	1,427	1,184
09	5,545	3,314	1,503	625	2,790	2,152	1,957	661	286	1,134
10	5,545	3,457	3,821	1,471	2,509	2,049	2,057	234	224	940
11	6,920	3,277	3,920	2,679	3,058	2,100	1,544	1,317	978	721
12	6,127	3,086	3,839	2,630	3,068	1,960	1,004	518	351	571
13	6,262	3,290	3,842	2,605	2,979	1,917	1,100	455	233	353
14	6,177	3,020	3,391	2,052	2,518	1,966	1,431	755	475	610
15	5,683	3,042	3,287	1,754	2,255	494	1,222	1,397	893	542
16	5,710	3,098	2,610	842	2,442	705	1,355	813	365	843
17	6,157	2,614	2,625	784	2,101	1,456	691	1,351	980	895
18	2,794	2,860	2,675	963	2,477	1,887	983	476	274	807
19	2,494	3,270	3,415	2,437	2,453	1,596	1,127	953	232	699
20	3,994	963	3,195	2,452	2,631	1,575	258	1,005	295	573
21	4,607	2,871	3,443	2,415	2,772	1,222	408	1,301	826	663
22	3,957	2,985	1,689	2,458	2,472	1,781	950	1,402	926	484
23	3,819	2,894	2,942	1,119	1,339	1,783	1,267	184	568	584
24	3,938	2,645	3,266	2,086	2,486	1,742	1,348	1,010	635	536
25	4,753	1,113	3,207	2,222	2,387	1,672	625	1,144	660	470
26	5,956	2,360	3,131	2,232	2,237	1,574	1,065	723	199	570
27	6,054	1,854	3,120	2,108	2,091	1,348	1,174	1,005	671	310
28	6,012	2,756	2,941	2,055	1,696	1,563	791	847	320	368
29	5,874	1,660	2,600	418	1,394	1,411	1,060	369	519	451
30	6,061	840	2,624	1,633	1,869	1,372	1,067	380	357	246
TOTAL	166,331	80,686	95,069	57,069	72,592	50,152	35,561	29,004	19,334	20,991

TABLE 1.14 SUMMARY OF UV COUNTS - DECEMBER, 1974
DAILY TOTAL BY STATION

DAY	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
01	5,896	1,970	2,602	1,721	1,942	1,364	156	887	592	531
02	5,620	1,971	2,204	1,776	1,546	426	293	1,051	330	188
03	5,342	2,243	2,782	1,741	2,082	541	610	642	170	222
04	5,370	2,279	2,525	1,649	2,036	1,430	953	998	623	313
05	5,862	2,234	2,533	444	1,203	1,231	943	1,102	552	521
06	4,718	2,174	2,769	1,688	1,734	1,138	873	192	434	612
07	5,514	724	2,502	1,836	1,280	1,449	1,043	973	511	427
08	5,650	1,789	461	1,701	896	1,454	252	725	439	447
09	5,601	2,079	876	1,730	1,734	1,224	731	928	583	550
10	5,689	2,348	2,319	369	1,682	960	573	967	645	496
11	5,559	2,106	2,423	1,619	1,708	698	892	831	590	444
12	5,342	364	2,518	1,749	1,727	475	710	776	359	158
13	5,270	673	2,386	1,686	1,684	1,113	424	432	141	399
14	5,268	2,281	2,257	1,770	1,527	542	245	259	139	279
15	5,552	844	2,257	1,392	1,436	1,195	694	220	78	227
16	5,815	1,734	2,336	1,153	1,553	1,125	92	227	358	213
17	5,393	1,992	2,116	1,586	1,683	1,079	678	384	384	396
18	5,298	2,308	1,923	1,434	1,487	870	593	382	149	378
19	5,369	1,783	1,534	1,484	1,462	1,075	313	755	448	310
20	4,884	556	2,146	1,472	1,389	1,196	848	520	264	230
21	2,344	1,722	2,294	1,575	1,619	709	461	595	281	169
22	2,708	2,368	2,431	1,705	1,564	1,028	455	837	320	280
23	5,651	2,320	2,099	1,304	940	1,047	752	796	506	299
24	5,846	2,135	2,084	426	1,311	1,178	336	553	196	414
25	5,171	1,796	502	565	1,367	1,066	181	663	520	545
26	5,725	2,320	2,059	298	1,334	1,205	795	690	543	587
27	5,209	1,941	1,324	804	1,868	260	409	302	438	523
28	5,519	1,018	2,583	723	1,951	490	909	902	656	567
29	5,552	1,710	2,614	674	1,652	1,237	360	438	584	521
30	5,384	2,080	1,171	443	1,065	895	620	782	536	575
31	5,515	2,207	2,077	1,097	1,760	1,221	383	545	586	462
TOTAL	163,636	56,069	64,707	39,614	48,222	30,921	17,577	20,354	12,955	12,283

TABLE 1.15 WEEKLY AVERAGES OF DAILY UV COUNTS FOR 1974

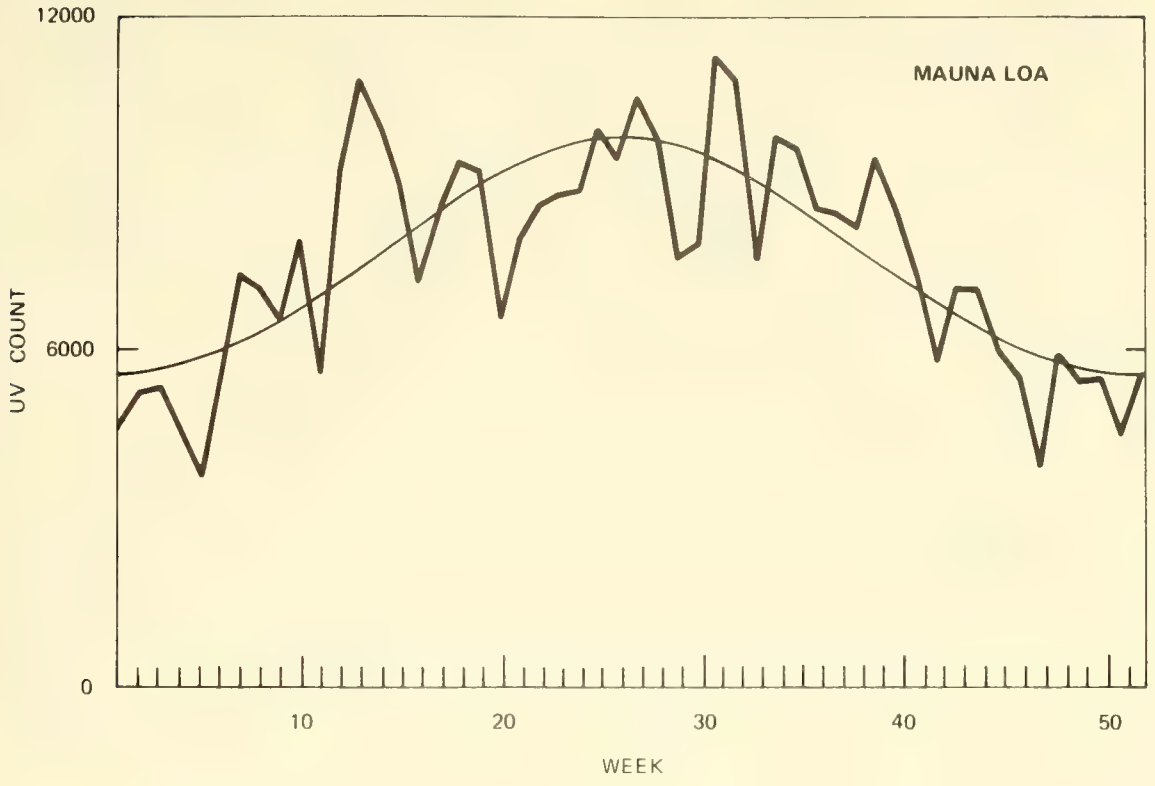
WEEK	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNE-APOLIS	BISMARCK
1	4703	1719	2316	1437	1274	718	628	803	466	366
2	5230	1950	2312	1128	1570	926	522	812	523	532
3	5317	2236	3104	1851	1862	1005	534	793	503	688
4	4481	2674	2100	1584	1799	1634	912	1005	820	453
5	3751	2514	3616	2646	2589	1670	907	990	743	708
6	5410	2620	3984	2556	2495	1839	1156	1150	1070	1085
7	7347	3469	4048	2571	2576	1749	1478	1091	1140	1253
8	7095	3788	4621	3036	3014	2314	1291	1621	1308	1027
9	6511	4031	5269	3608	3670	1790	1731	1959	1341	1408
10	7995	5055	5785	3473	4217	2382	1780	2069	1803	1458
11	5598	4633	6287	4632	5057	3356	2234	2054	1699	1500
12	9235	3883	5756	3961	4493	2704	2882	2330	2041	1599
13	10857	4762	7260	4171	5795	2704	1934	3021	1399	1892
14	9980	4998	7309	5968	5867	5022	2410	3596	3017	2351
15	8939	5707	7699	5585	6179	5703	3152	2740	2288	2204
16	7225	6610	8469	4770	6747	4637	4613	4521	3578	3520
17	8484	7159	7454	5840	6463	5418	5199	4841	4816	4222
18	9357	5588	8267	5111	7376	5847	4896	6431	4646	4783
19	9211	6364	8661	7564	8632	7283	4159	3505	2098	3500
20	6583	6862	10131	7201	8297	6852	6620	4734	4437	3189
21	8044	7115	10274	7722	9029	7907	4609	5046	5027	5712
22	8601	6960	9215	8160	8323	6704	3937	6427	5757	5555
23	8781	6733	10657	8286	7967	8114	5928	5018	4045	5665
24	8853	7393	10475	8286	9455	6359	5489	7502	5871	7906
25	9960	6791	10633	8405	9461	7759	4845	7106	6518	7715
26	9446	6773	9529	8245	8571	8296	4277	8355	7448	8351
27	10488	6526	7923	7928	8926	6887	6792	7851	8071	6801
28	9760	6828	8835	8028	8571	7610	7263	7920	6051	7649
29	7663	6564	8838	7575	8639	8389	6497	8304	6199	7249
30	7934	4440	9159	6532	8570	6972	4161	6883	6445	7433
31	11278	4393	7347	6055	6960	6404	5696	4906	5175	6325
32	10841	5591	9420	4545	7990	6713	4922	5384	4736	5273
33	7612	5462	9180	7542	7478	6603	5262	4685	5886	5266
34	9863	5328	6206	5124	6291	6980	4139	6260	5461	4120
35	9617	5787	8286	4735	6731	4132	4344	4213	4063	4395
36	8557	4139	8042	5549	7361	6367	3231	4997	3682	4198
37	8467	6040	6487	2747	5335	5256	4048	4047	3082	4028
38	8227	5836	4313	3121	5088	4660	3546	4115	3394	3850
39	9442	4575	6016	3500	5744	3753	3115	3378	2877	2871
40	8470	4352	6158	4341	4365	3485	3041	2678	1872	2017
41	7335	4077	4667	3585	3810	3630	2426	1502	2135	2150
42	5801	4146	5135	3639	4226	2743	1960	2718	1977	2059
43	7090	3715	3932	2099	2804	2012	1879	2039	1753	1759
44	7091	3543	3965	2624	2551	1767	1536	1019	756	620
45	6035	2779	2969	1655	2701	1892	1488	1171	886	1060
46	5559	3001	3181	1661	2549	1484	1112	824	510	660
47	3937	2392	3022	2170	2363	1624	855	1000	592	573
48	5925	1916	2746	1706	1825	1294	801	752	427	381
49	5437	1932	2064	1541	1566	1210	772	794	473	442
50	5499	1479	2357	1391	1617	873	519	530	330	317
51	4521	1864	2078	1509	1449	1001	586	610	336	295
52	5487	1857	1762	562	1507	904	516	619	496	533

TABLE 1.16 SUMMARY OF SINE CURVE FIT OF WEEKLY DAILY AVERAGES

$$\sqrt{y(t)} = \alpha \sin\left(\frac{\pi}{26} t + \theta\right) + \beta$$

	$\hat{\alpha} \pm$ SD	$\hat{\beta} \pm$ SD	$\hat{\theta} \pm$ SD
Mauna Loa	13.02 ± 1.40	86.38 ± .99	-20.32 ± .11
Tallahassee	18.19 ± 1.06	66.06 ± .75	-20.16 ± .06
El Paso	25.12 ± 1.03	76.15 ± .73	-20.15 ± .04
Fort Worth	25.36 ± 1.09	63.71 ± .77	-20.13 ± .04
Albuquerque	27.37 ± 0.71	69.29 ± .50	-20.24 ± .03
Oakland	28.55 ± 0.87	60.95 ± .61	-20.32 ± .03
Philadelphia	25.60 ± 0.99	51.95 ± .70	-20.34 ± .04
Des Moines	29.09 ± 1.04	54.65 ± .74	-20.33 ± .04
Minneapolis	29.02 ± 1.11	49.73 ± .79	-20.36 ± .04
Bismarck	31.56 ± 1.01	50.72 ± .72	-20.39 ± .03

FIGURE 1.12 WEEKLY DAILY AVERAGES WITH FITTED SINE CURVE



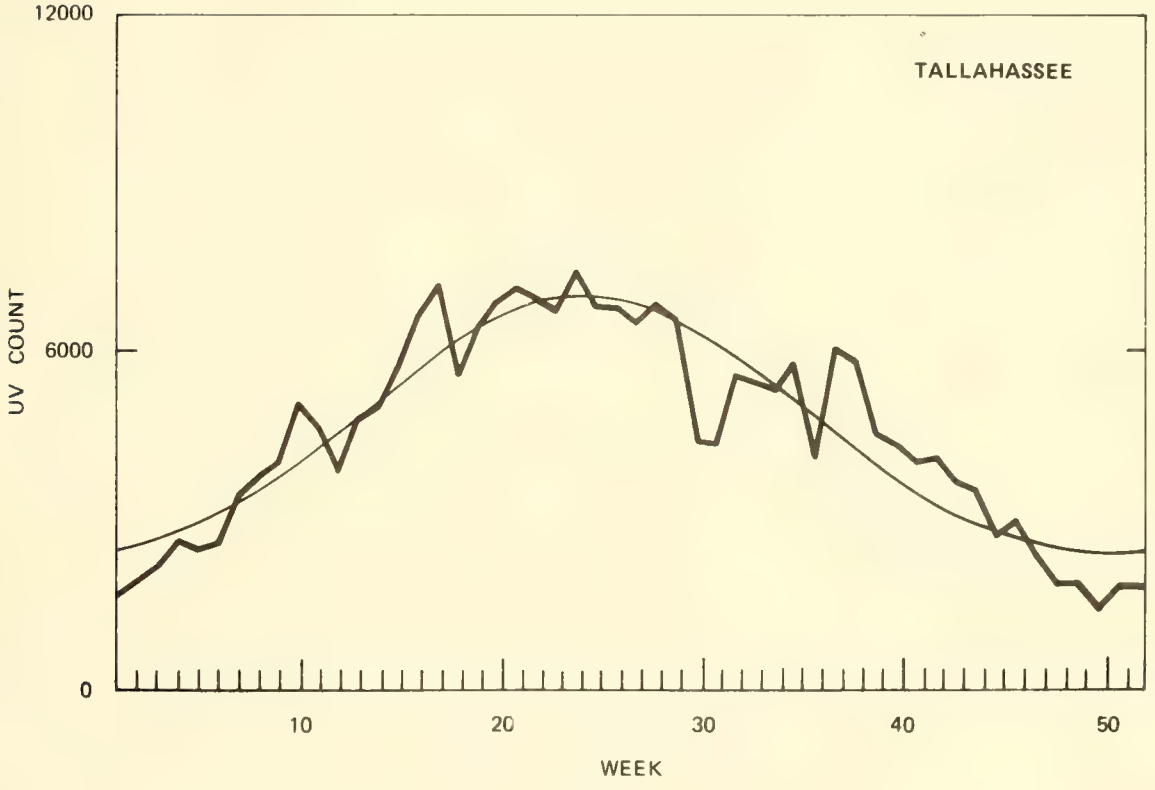


FIGURE 1.13 WEEKLY DAILY AVERAGES WITH FITTED SINE CURVE

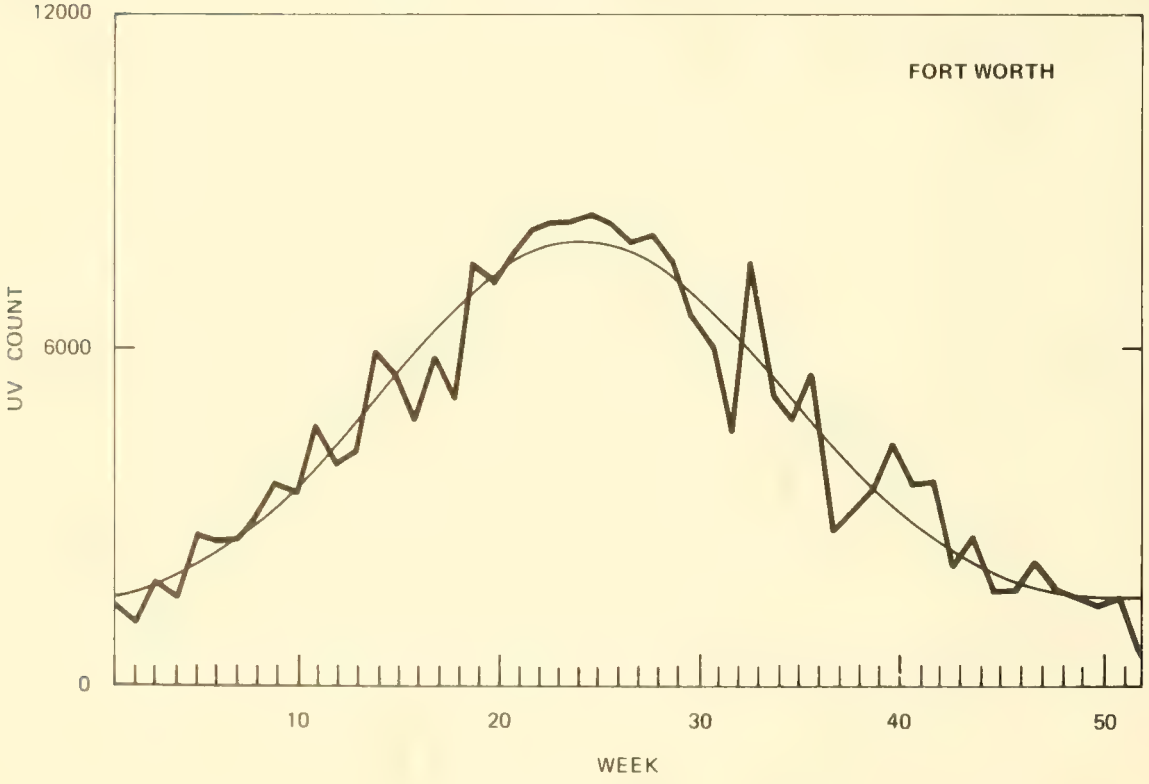
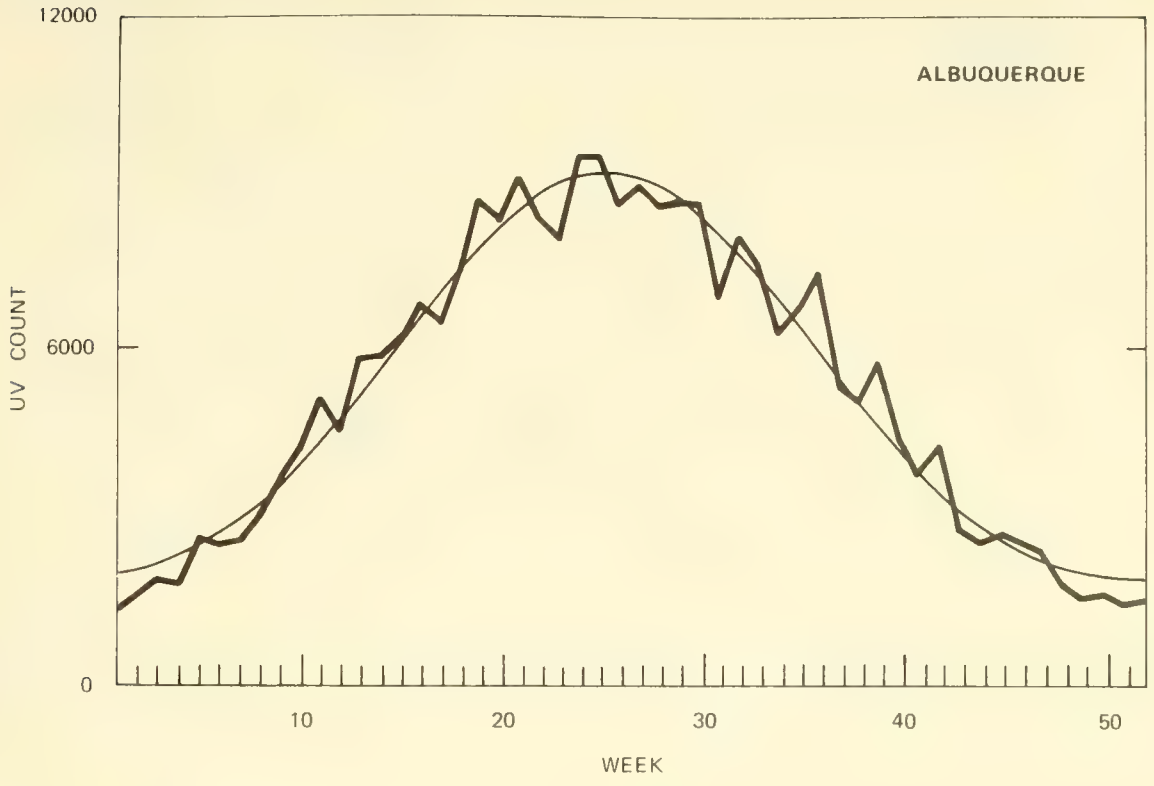


FIGURE 1.14 WEEKLY DAILY AVERAGES WITH FITTED SINE CURVE



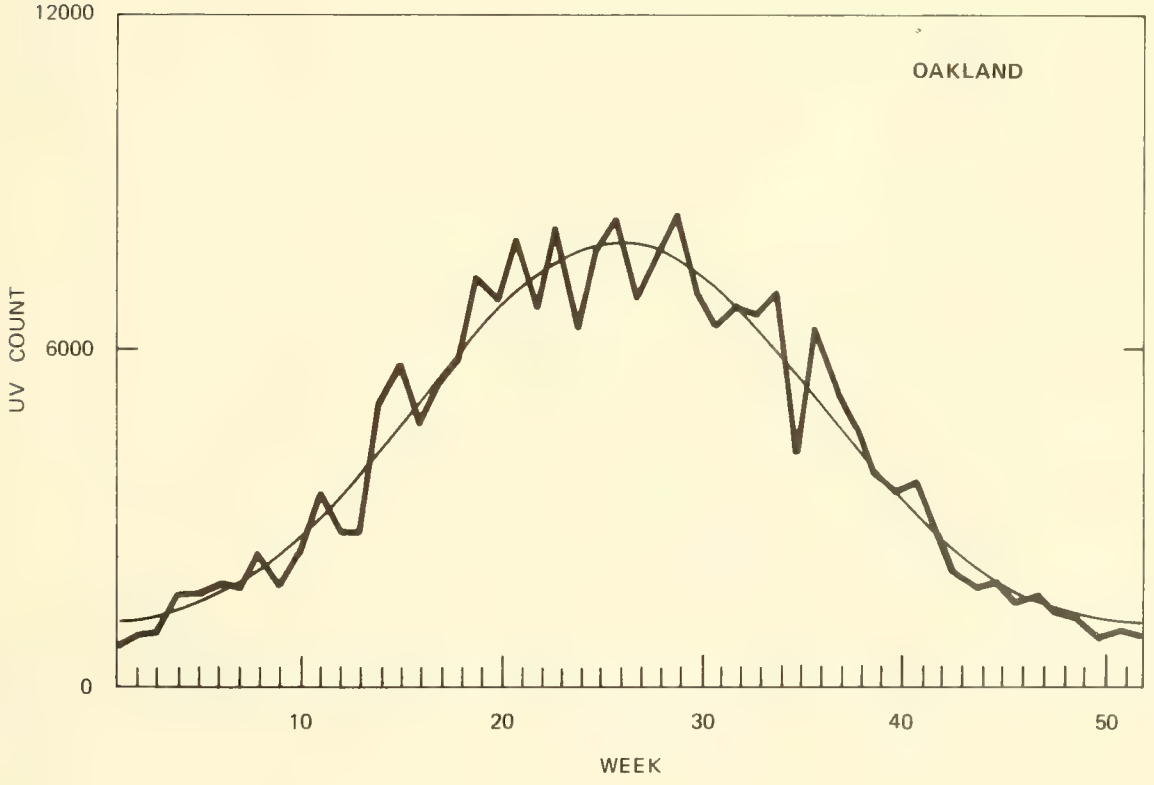


FIGURE 1.15 WEEKLY DAILY AVERAGES WITH FITTED SINE CURVE

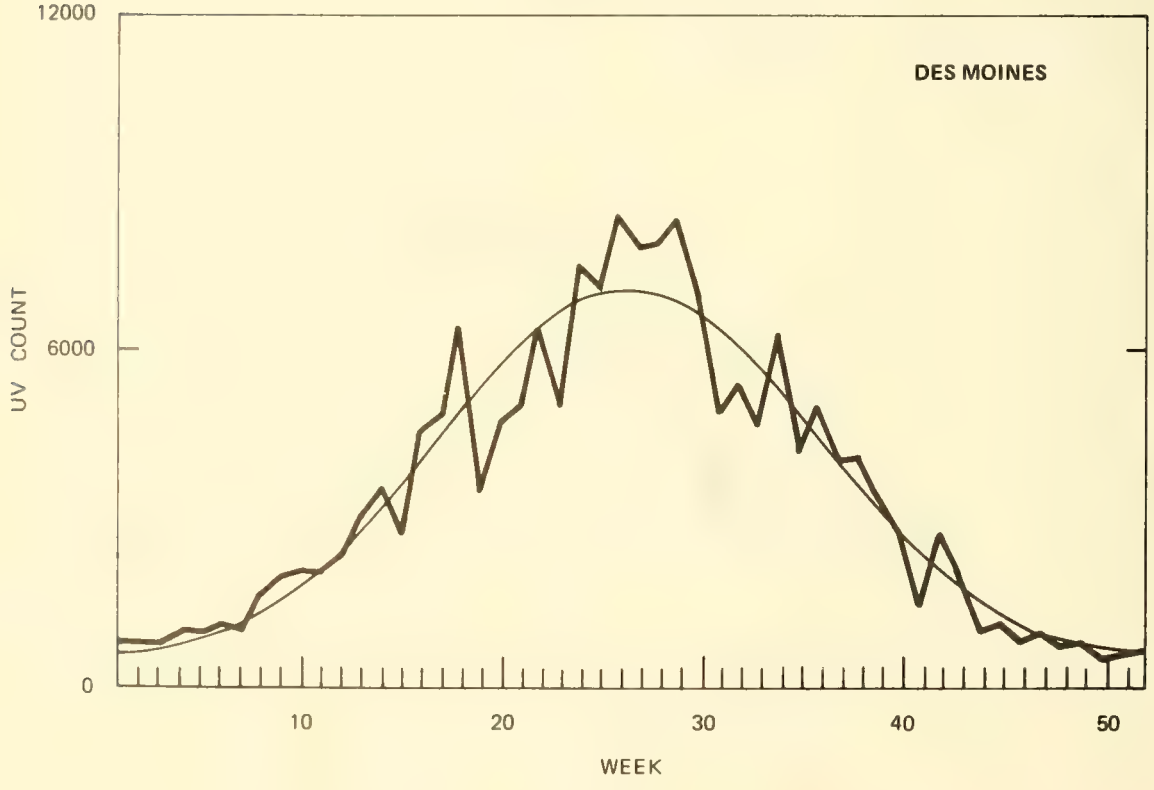
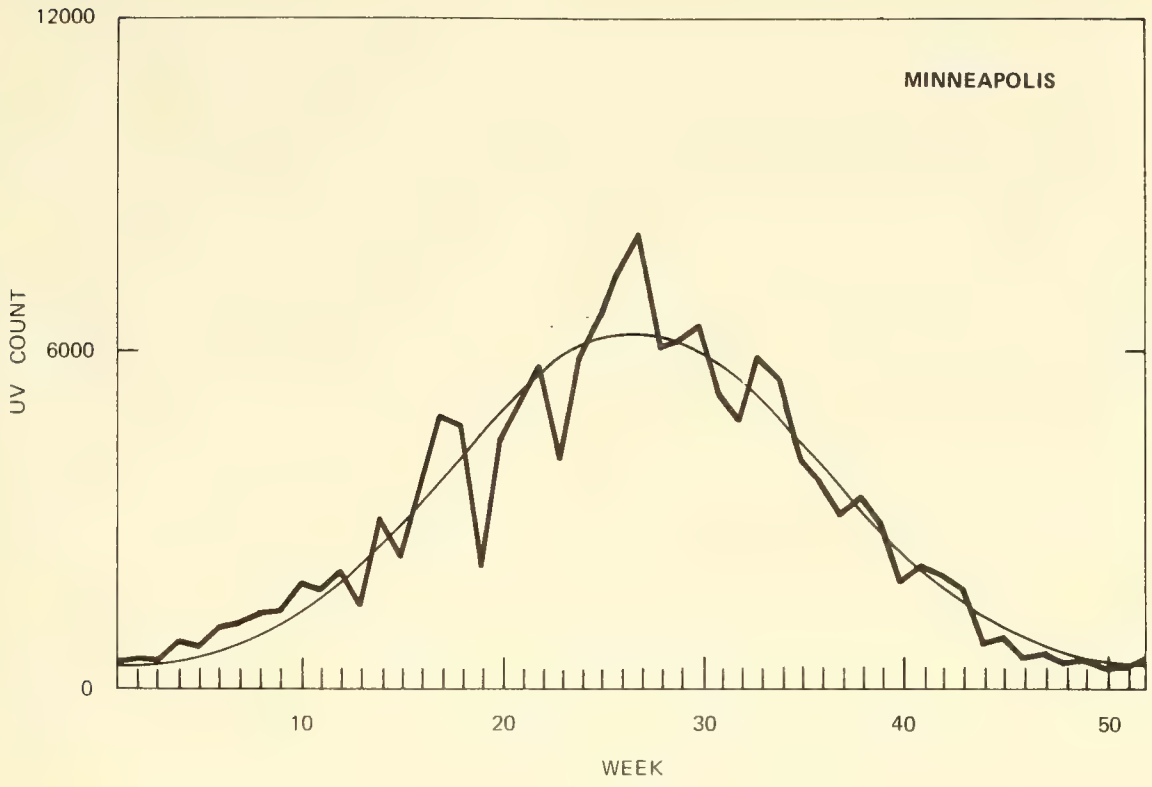


FIGURE 1.16 WEEKLY DAILY AVERAGES WITH FITTED SINE CURVE



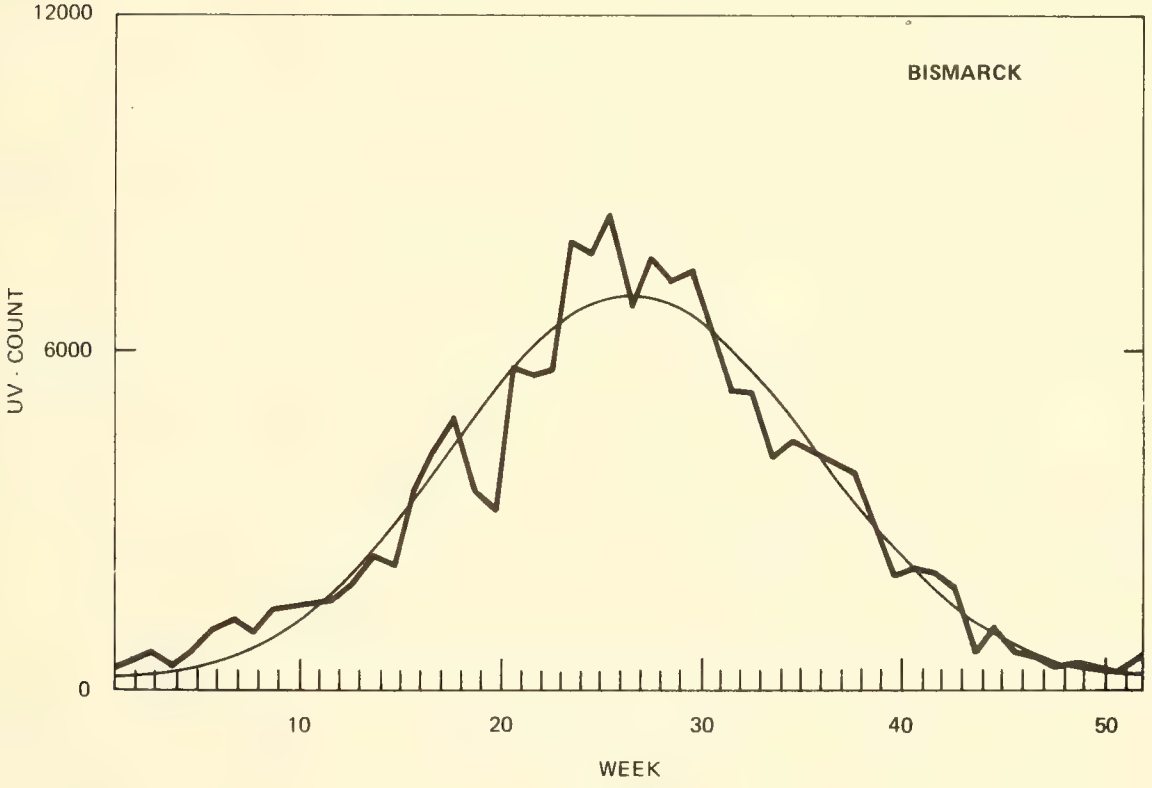


FIGURE 1.17 COMPOSITE WEEKLY DAILY AVERAGES WITH FITTED SINE CURVES

TABLE 1.17 AVERAGE DAILY UV COUNT BY STATION AND SEASON

	Station									
Season	Mauna Loa	Tallahassee	El Paso	Ft. Worth	Albuquerque	Oakland	Phila.	Des Moines	Minn.	Bismarck
Winter	5718	3035	3770	2502	2567	1692	1172	1233	976	901
Spring	8818	6209	8724	6470	7447	5848	4365	4744	3863	4197
Summer	9322	5709	8260	6173	7547	6728	4934	6098	5527	5898
Fall	6450	3185	3718	2479	3042	2171	1652	1570	1230	1283
Annual Average	7590	4546	6137	4422	5171	4129	3045	3428	2914	3087

FIGURE 1.18 AVERAGE DAILY UV COUNT FOR EACH SEASON BY LATITUDE

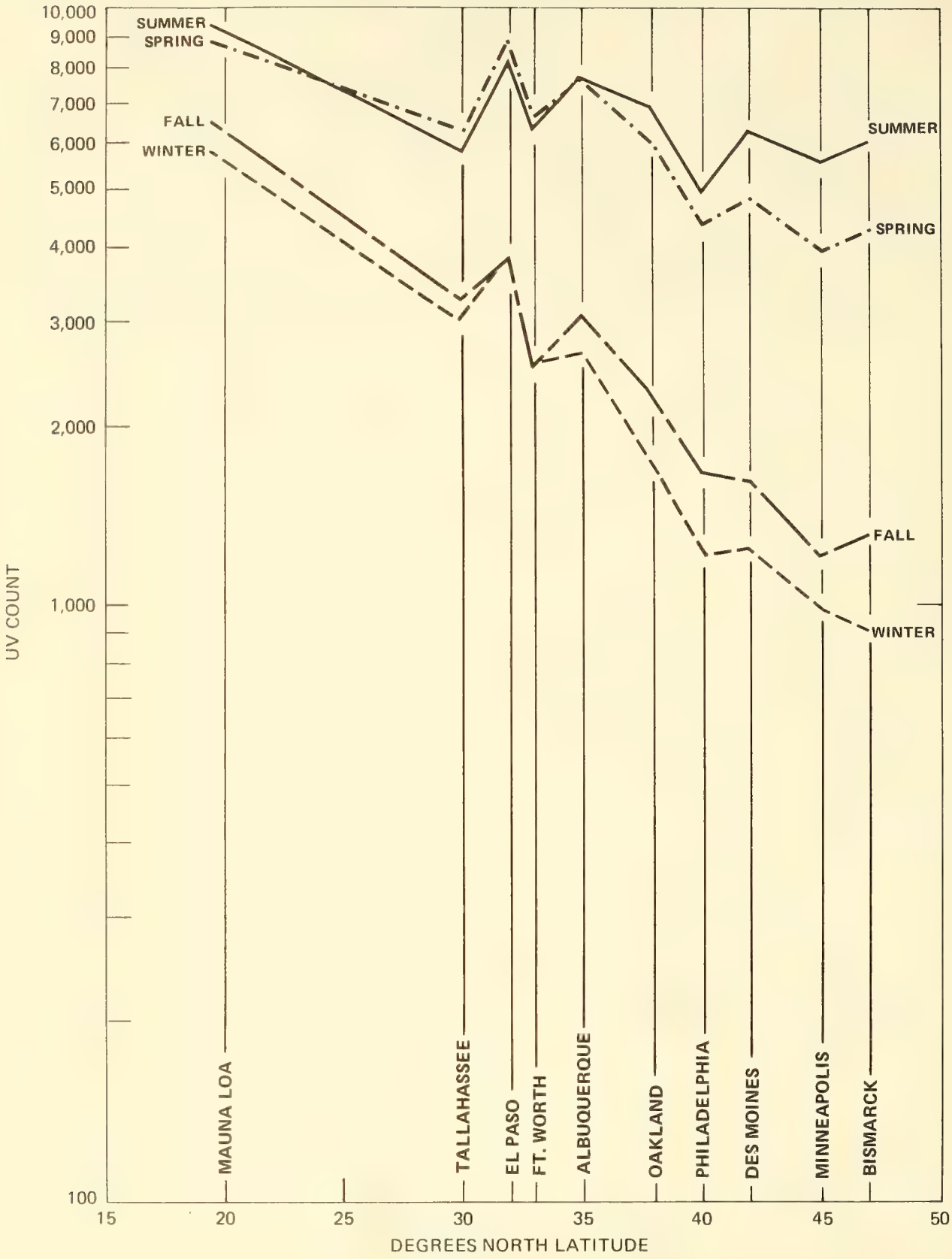


TABLE 1.18 MONTHLY TOTAL OF UV COUNTS

STATION	1974 Jan	1974 Feb	1974 Mar	1974 Apr	1974 May	1974 Jun	1974 July	1974 Aug	1974 Sept	1974 Oct	1974 Nov	1974 Dec
Mauna Loa	148,601	178,897	246,369	263,580	258,099	271,810	285,056	309,419	255,373	222,853	166,331	163,636
Tallahassee, Florida	67,500	90,887	138,358	185,047	203,933	206,160	188,847	162,950	155,579	124,817	80,686	56,069
El Paso, Texas	78,440	119,163	190,324	231,345	287,492	310,629	270,945	247,875	190,767	150,551	95,069	64,707
Fort Worth, Texas	49,657	78,702	122,791	162,957	223,061	248,579	229,423	175,690	114,598	103,796	57,069	39,614
Albuquerque, New Mexico	53,007	79,270	145,664	188,245	258,414	266,990	267,354	216,724	179,552	114,281	72,592	48,222
Oakland, California	33,698	52,551	86,381	151,768	215,878	226,104	228,669	192,333	152,541	87,572	50,152	30,921
Philadelphia, Pennsylvania	21,834	36,370	65,095	115,486	153,843	146,746	193,699	149,720	105,174	69,679	35,561	17,577
Des Moines, Iowa	27,694	36,682	71,232	118,933	154,413	209,725	234,950	161,943	121,678	64,959	29,004	20,354
Minneapolis, Minnesota	18,570	30,985	53,845	101,259	131,202	179,955	205,340	157,305	98,187	56,098	19,334	12,955
Bismarck, North Dakota	16,041	31,194	48,632	93,517	132,247	221,371	223,918	156,932	112,834	57,233	20,991	12,283

TABLE 1.19 AVERAGE DAILY UV COUNT BY MONTH

STATION	1974 Jan	1974 Feb	1974 Mar	1974 Apr	1974 May	1974 Jun	1974 July	1974 Aug	1974 Sept	1974 Oct	1974 Nov	1974 Dec
Mauna Loa	4794	6389	7947	8786	9326	9060	9195	9981	8512	7189	5544	5279
Tallahassee, Florida	2177	3246	4463	6168	6578	6872	6092	5256	5186	4026	2690	1809
El Paso, Texas	2530	4256	6139	7712	9274	10354	8740	7996	6359	4856	3169	2087
Fort Worth, Texas	1602	2811	3961	5432	7196	8286	7401	5667	3820	3348	1902	1278
Albuquerque, New Mexico	1710	2831	4699	6275	8336	8870	8624	6991	5985	3686	2420	1556
Oakland, California	1087	1877	2786	5089	6964	7537	7376	6204	5085	2825	1672	997
Philadelphia, Pennsylvania	704	1299	2100	3850	4963	4892	6248	4830	3506	2248	1185	567
Des Moines, Iowa	893	1310	2298	3964	4981	6991	7579	5224	4056	2095	967	657
Minneapolis, Minnesota	599	1107	1737	3379	4232	5999	6624	5074	3273	1810	644	418
Bismarck, North Dakota	517	1114	1569	3117	4266	7379	7223	5062	3761	1846	700	396

TABLE 1.20 SUMMARY OF SINE CURVE FIT OF MONTHLY DAILY AVERAGES

$$\sqrt{y(t)} = \alpha \sin\left(\frac{\pi}{6}t + \theta\right) + \beta$$

STATION	$\hat{\alpha} \pm$ SD	$\hat{\beta} \pm$ SD	$\hat{\theta} \pm$ SD
Mauna Loa	12.78 ± 1.72	86.54 ± 1.22	-7.56 ± .13
Tallahassee	18.06 ± 1.66	66.12 ± 1.18	-7.39 ± .09
El Paso	24.92 ± 1.48	76.17 ± 1.05	-7.39 ± .06
Ft. Worth	25.00 ± 1.16	63.82 ± 0.82	-7.38 ± .05
Albuquerque	27.06 ± 1.06	69.25 ± 0.75	-7.48 ± .04
Oakland	28.19 ± 0.89	61.00 ± 0.63	-7.56 ± .03
Philadelphia	25.28 ± 1.25	52.02 ± 0.89	-7.58 ± .05
Des Moines	28.87 ± 1.20	54.72 ± 0.85	-7.57 ± .04
Minneapolis	28.83 ± 1.23	49.85 ± 0.87	-7.58 ± .04
Bismarck	31.19 ± 1.67	50.80 ± 1.18	-7.63 ± .05

FIGURE 1.19 AVERAGE DAILY UV COUNT BY MONTH WITH FITTED CURVE

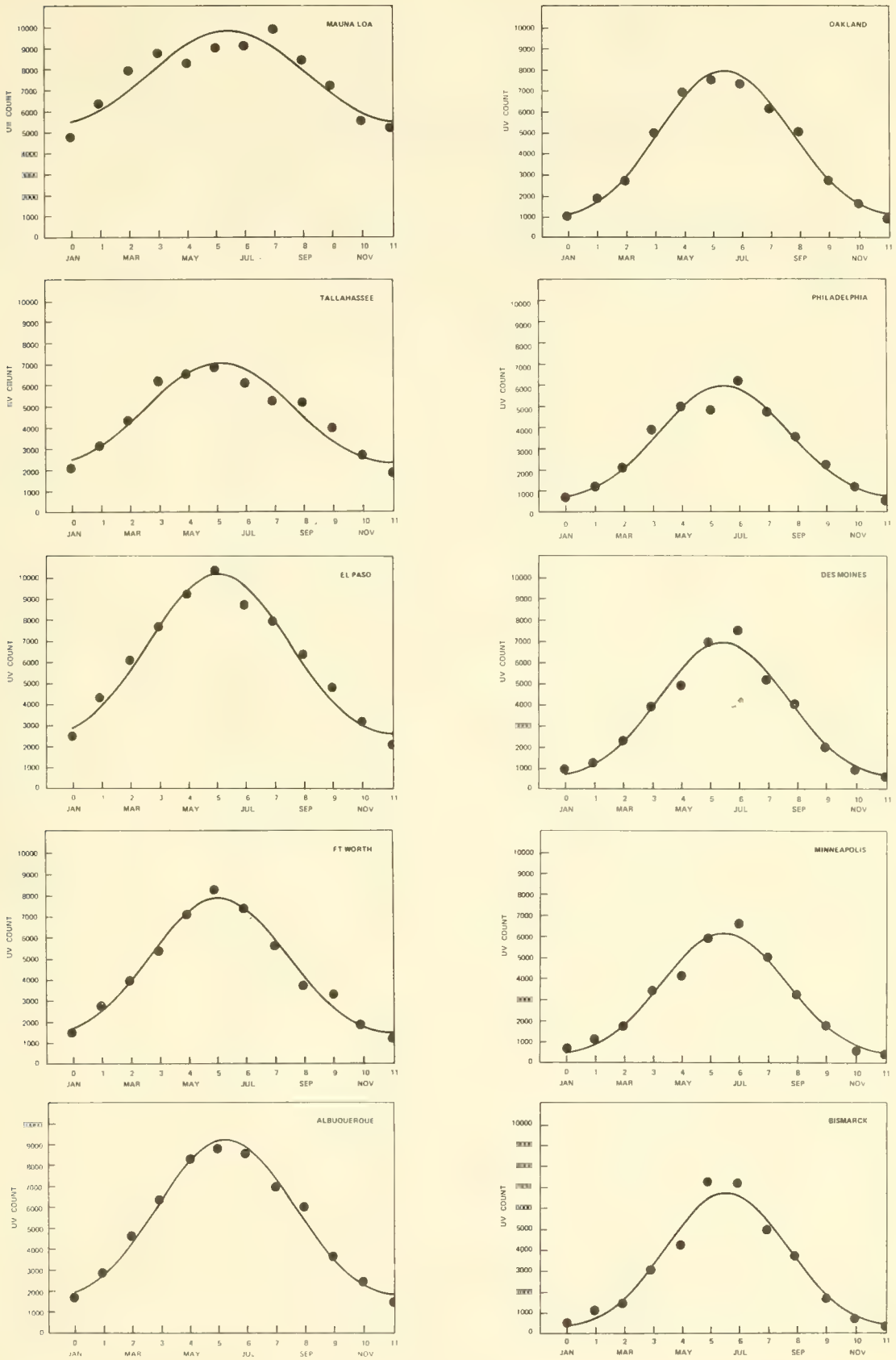


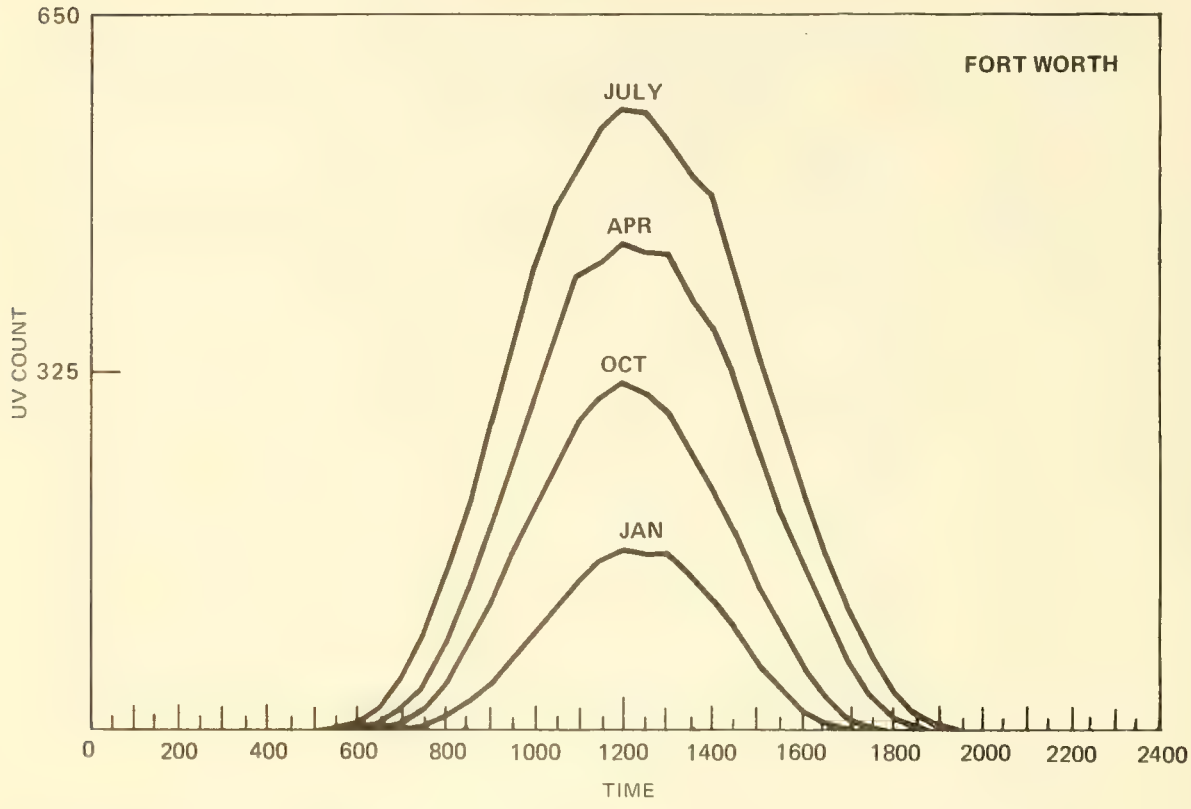
TABLE 1.21 CUMULATIVE DISTRIBUTION OF UV COUNT BY HOUR OF DAY FOR EACH STATION, 1974

Time of Day	Mauna Lo_a	Talla-hassee	El Paso	Ft. Worth	Albu-querque	Oakland	Phila-delphia	Des Moines	Minne-apolis	Bismarck
07:00	0.4	0.7	0.5	0.6	0.6	0.4	0.9	0.6	0.9	0.9
08:00	2.7	3.3	2.6	3.0	2.8	2.0	3.5	2.7	3.2	3.3
09:00	9.0	9.6	8.1	8.7	8.3	6.1	9.6	7.5	8.5	8.5
10:00	20.5	20.5	18.0	18.7	18.3	14.3	20.3	16.3	17.8	17.4
11:00	36.0	35.2	32.1	32.7	32.4	27.0	34.9	29.2	30.9	30.2
12:00	53.2	52.0	48.6	49.1	49.0	43.2	51.2	44.7	46.6	45.5
13:00	69.2	68.4	65.3	65.5	65.8	60.2	67.3	61.0	62.6	61.5
14:00	82.3	82.2	79.7	79.7	80.0	75.7	80.9	75.6	76.7	75.9
15:00	91.8	91.8	90.4	90.1	90.3	87.5	90.6	87.0	87.8	86.9
16:00	97.2	97.2	96.6	96.2	96.4	94.9	96.3	94.3	94.6	94.1
17:00	99.4	99.4	99.2	99.0	99.0	98.5	98.9	98.1	98.1	97.9
18:00	99.9	99.9	99.8	99.8	99.8	99.7	99.8	99.5	99.5	99.5
19:00	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TABLE 1.22 UV COUNTS WITHIN SPECIFIED TIME PERIODS FOR 1974

AREA	11:31 - 12:30		11:01 - 13:00		10:31 - 13:30		10:01 - 14:00		TOTAL COUNT
MAUNA LOA OBS., HAWAII	467,497	16.9	918,140	33.1	1,337,580	48.3	1,712,728	61.8	2,770,024
TALLAHASSEE, FLORIDA	279,164	16.8	552,684	33.3	804,280	48.4	1,025,105	61.7	1,660,833
EL PASO, TEXAS	377,066	16.9	742,603	33.2	1,080,675	48.3	1,381,366	61.7	2,237,307
FORT WORTH, TEXAS	268,133	16.7	527,021	32.8	767,222	47.8	980,660	61.1	1,605,937
ALBUQUERQUE, NEW MEXICO	323,069	17.1	631,882	33.4	915,097	48.4	1,165,706	61.7	1,890,315
OAKLAND, CALIFORNIA	254,330	16.9	500,372	33.2	727,168	48.2	926,231	61.4	1,508,568
PHILADELPHIA, PENN.	183,919	16.6	360,784	32.5	526,360	47.4	674,034	60.7	1,110,784
DES MOINES, IOWA	201,181	16.1	398,171	31.8	579,680	46.3	742,009	59.3	1,251,567
MINNEAPOLIS, MINNESOTA	172,499	16.2	337,585	31.7	489,926	46.0	627,759	58.9	1,065,035
BISMARCK, NORTH DAKOTA	180,213	16.0	353,694	31.4	514,798	45.7	659,561	58.5	1,127,193

FIGURE 1.20 AVERAGE HALF HOURLY UV COUNTS BY TIME OF DAY FOR JANUARY, APRIL, JULY AND OCTOBER



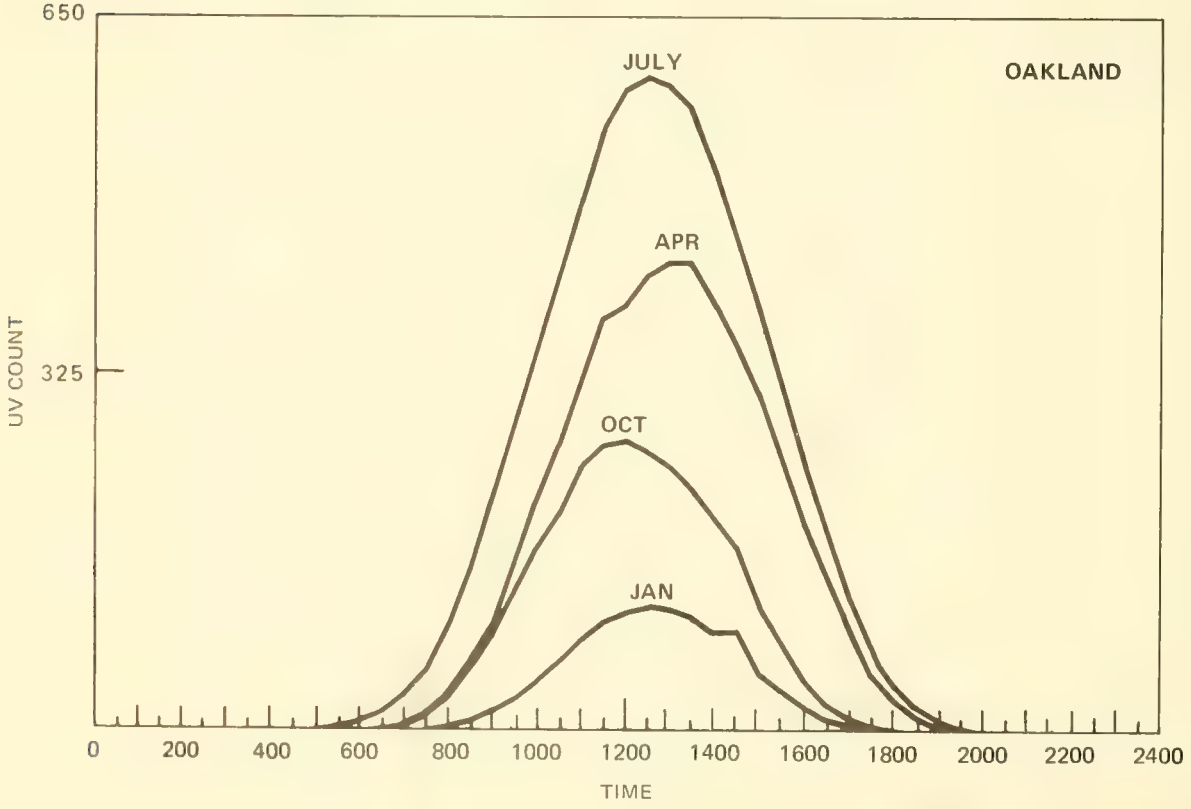
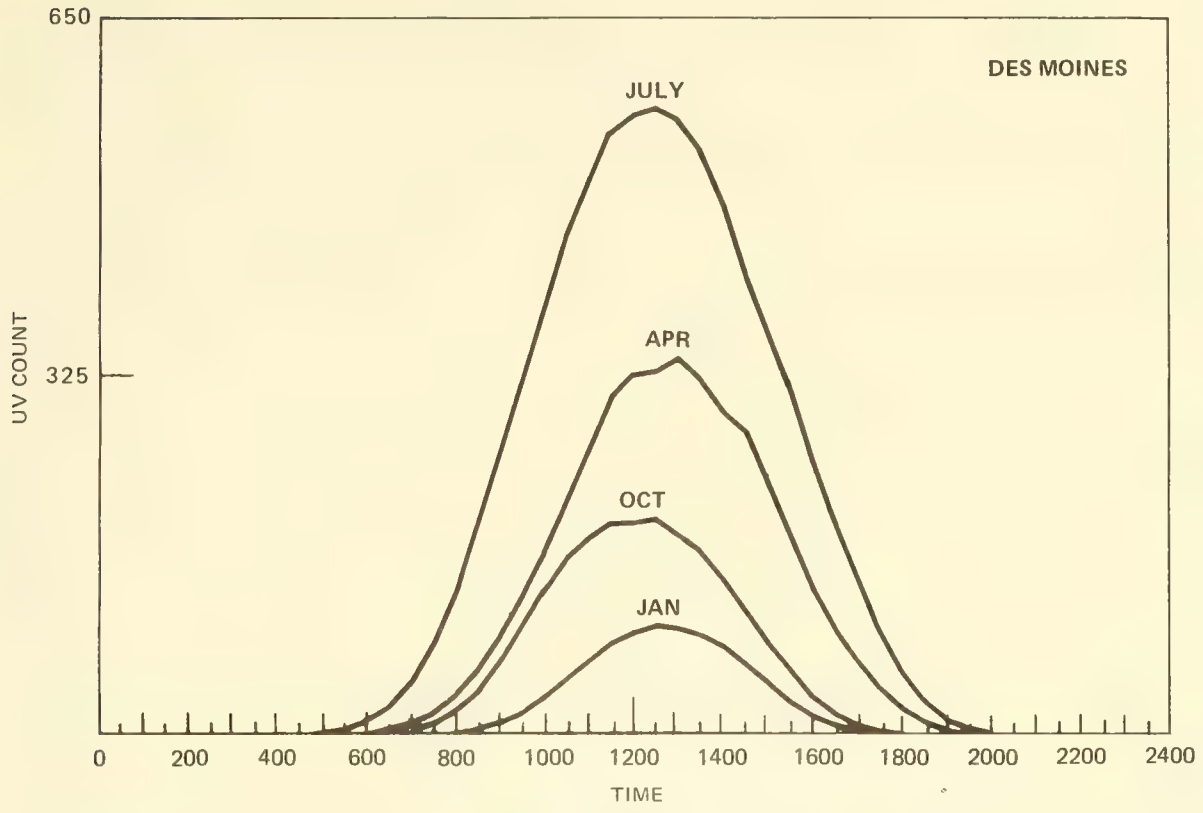


FIGURE 1.21 AVERAGE HALF HOURLY UV COUNTS BY TIME OF DAY FOR JANUARY, APRIL, JULY AND OCTOBER



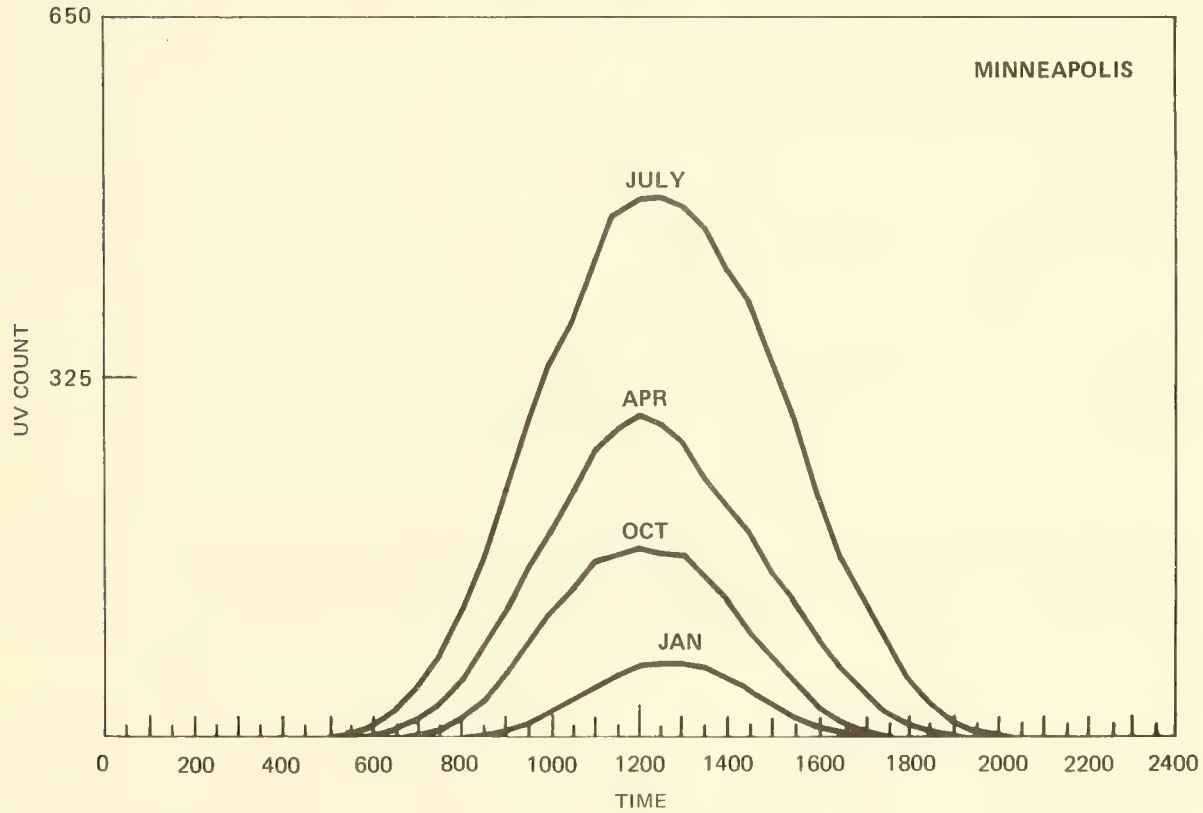


TABLE 1.23 SUMMARY OF UV COUNTS - JANUARY, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	PORT WOPTH	ALBU-QUEPQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0
07:00	2	0	0	0	0	0	0	0	0	0
07:30	13	1	1	3	1	0	0	0	0	0
08:00	40	7	6	10	4	2	1	1	1	0
08:30	87	19	19	23	11	6	5	3	2	1
09:00	152	41	41	42	26	15	11	10	6	4
09:30	232	67	72	63	48	29	21	20	13	9
10:00	313	101	109	88	76	45	33	34	23	17
10:30	383	133	155	113	107	65	48	51	35	26
11:00	442	159	191	136	141	84	61	68	45	36
11:30	458	207	222	155	163	100	70	83	56	47
12:00	448	209	250	164	175	109	71	92	64	52
12:30	441	228	252	160	179	115	74	98	67	57
13:00	414	215	260	160	173	112	71	96	66	59
13:30	366	201	249	141	161	106	66	90	62	57
14:00	297	177	218	118	139	92	57	80	52	50
14:30	239	138	177	92	114	76	44	63	42	40
15:00	183	111	132	63	83	56	32	47	30	29
15:30	132	77	88	39	55	38	21	31	19	18
16:00	86	50	52	21	32	22	12	17	10	10
16:30	42	25	26	8	15	11	5	8	4	4
17:00	18	9	9	2	5	3	1	2	1	1
17:30	5	2	2	0	1	1	0	0	0	0
18:00	1	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	4,794	2,177	2,530	1,602	1,710	1,087	704	893	599	517

TABLE 1.24 SUMMARY OF UV COUNTS - FEBRUARY, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0
07:00	7	1	1	2	0	0	0	0	0	0
07:30	21	5	4	10	2	2	1	1	1	0
08:00	60	19	16	26	9	7	5	3	2	1
08:30	124	43	41	51	26	18	12	9	7	5
09:00	208	79	79	84	52	35	25	20	15	12
09:30	305	123	131	121	87	59	41	34	27	23
10:00	397	173	195	168	132	86	60	52	42	39
10:30	478	223	258	208	170	114	82	71	60	58
11:00	544	263	318	239	216	144	101	91	80	77
11:30	573	290	373	261	247	164	118	109	98	96
12:00	599	296	404	270	270	174	126	122	110	112
12:30	588	293	414	269	284	181	127	135	116	119
13:00	535	294	410	252	276	177	122	134	113	116
13:30	491	273	390	233	254	170	115	128	106	108
14:00	419	243	346	200	223	155	99	112	94	97
14:30	338	201	283	157	190	130	87	94	79	83
15:00	253	163	222	112	150	102	69	74	62	64
15:30	194	116	164	74	111	72	50	54	44	46
16:00	127	75	108	45	70	46	32	35	28	30
16:30	77	44	62	22	38	26	18	20	15	17
17:00	36	20	28	7	18	12	6	9	7	7
17:30	12	6	9	2	6	4	2	3	2	2
18:00	2	1	1	0	1	1	0	1	0	1
18:30	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	6,389	3,246	4,256	2,811	2,831	1,877	1,299	1,310	1,107	1,114

TABLE 1.25 SUMMARY OF UV COUNTS - MARCH, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0
06:30	0	1	1	0	1	0	0	0	0	0
07:00	2	7	6	7	4	1	2	2	1	0
07:30	13	20	21	24	15	4	7	6	5	2
08:00	43	44	51	50	37	12	18	16	12	5
08:30	103	79	96	89	74	26	36	30	23	12
09:00	194	128	162	137	121	46	57	50	37	22
09:30	287	181	234	177	182	75	81	77	55	37
10:00	403	246	318	220	242	111	112	109	75	57
10:30	505	298	393	274	303	140	141	141	98	76
11:00	609	342	450	329	352	185	156	162	118	95
11:30	651	385	503	354	393	218	171	188	131	115
12:00	708	388	529	368	410	238	182	203	155	132
12:30	718	404	535	367	424	262	190	203	162	139
13:00	654	389	516	339	423	268	191	207	165	141
13:30	626	357	496	305	393	255	182	194	155	145
14:00	581	312	462	261	348	238	156	176	141	136
14:30	513	275	410	216	296	193	130	160	121	116
15:00	433	219	336	170	231	159	106	127	96	101
15:30	326	160	254	124	178	130	77	96	75	79
16:00	243	108	176	81	125	94	52	67	52	60
16:30	168	69	107	44	78	63	31	44	31	44
17:00	95	35	55	19	43	38	15	24	16	27
17:30	48	13	23	5	18	19	6	11	7	15
18:00	17	3	6	1	8	8	1	4	2	7
18:30	4	0	1	0	1	2	0	1	1	2
19:00	0	0	0	0	0	0	0	0	0	1
19:30	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	7,947	4,463	6,139	3,961	4,699	2,786	2,100	2,298	1,737	1,569

TABLE 1.26 SUMMARY OF UV COUNTS - APRIL, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0
06:00	0	2	2	0	1	0	2	0	2	0
06:30	1	10	8	6	7	1	7	2	6	1
07:00	9	27	25	18	20	6	19	7	15	4
07:30	33	58	57	41	47	17	38	17	30	10
08:00	84	99	107	74	87	36	64	34	50	21
08:30	155	155	175	122	143	63	100	58	78	38
09:00	262	223	260	181	204	99	138	89	112	62
09:30	379	302	345	242	276	148	184	126	151	92
10:00	468	381	439	293	346	207	224	167	185	125
10:30	565	429	516	361	406	257	249	217	219	160
11:00	566	465	579	411	457	313	288	258	254	194
11:30	704	501	616	423	511	371	300	303	277	223
12:00	731	516	626	443	526	384	306	326	291	251
12:30	763	512	632	436	528	417	303	329	284	260
13:00	699	484	631	434	502	429	300	341	270	265
13:30	675	450	583	400	459	428	295	325	237	249
14:00	609	398	525	371	432	397	260	295	214	227
14:30	579	330	451	325	385	361	223	277	188	205
15:00	453	269	381	268	309	319	180	233	151	179
15:30	405	214	285	202	232	259	137	182	123	149
16:00	277	154	202	156	168	196	98	137	90	129
16:30	177	99	134	111	112	145	66	96	64	100
17:00	105	57	78	64	66	100	40	66	43	72
17:30	56	26	38	33	34	59	20	42	24	50
18:00	24	8	14	13	13	30	8	23	12	31
18:30	6	1	3	3	3	12	2	10	5	15
19:00	1	0	0	0	0	4	0	3	1	6
19:30	0	0	0	0	0	0	0	1	0	2
20:00	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	8,786	6,168	7,712	5,432	6,275	5,059	3,850	3,964	3,375	3,117

TABLE 1.27 SUMMARY OF UV COUNTS - MAY, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	1
05:30	0	1	1	1	2	0	2	0	2	2
06:00	0	7	7	5	8	2	7	2	6	7
06:30	5	21	24	19	23	6	18	5	16	15
07:00	20	48	53	43	52	18	37	14	30	29
07:30	56	87	100	76	99	37	66	29	51	50
08:00	115	140	161	128	165	68	103	49	75	76
08:30	193	208	240	187	238	110	145	81	103	105
09:00	301	277	333	251	321	163	196	120	128	141
09:30	407	341	425	317	403	227	256	153	170	180
10:00	502	404	517	387	493	300	294	196	214	215
10:30	598	433	598	449	553	374	334	247	251	242
11:00	656	496	649	511	595	440	362	279	281	269
11:30	686	528	704	556	631	491	360	320	302	298
12:00	650	522	721	567	644	529	378	341	329	315
12:30	641	509	725	577	637	549	376	354	326	334
13:00	621	510	707	547	621	555	356	393	314	341
13:30	583	453	660	517	574	547	323	382	283	316
14:00	515	375	616	468	521	520	312	362	284	304
14:30	479	341	548	423	466	473	269	367	265	236
15:00	385	284	458	350	392	422	227	322	231	209
15:30	306	219	360	282	305	343	182	273	184	180
16:00	242	158	261	214	239	271	137	218	134	134
16:30	161	103	186	144	162	200	95	163	95	98
17:00	107	63	115	92	98	138	62	130	67	74
17:30	61	33	64	51	56	90	37	86	44	48
18:00	27	14	30	24	27	52	19	50	27	28
18:30	8	4	10	8	10	26	7	27	13	14
19:00	1	1	2	2	2	10	2	13	5	5
19:30	0	0	0	0	0	3	0	4	1	2
20:00	0	0	0	0	0	0	0	1	0	0
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	8,326	6,578	9,274	7,196	8,336	6,964	4,963	4,981	4,232	4,266

TABLE 1.28 SUMMARY OF UV COUNTS - JUNE, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	1	1	1	2
05:30	1	2	2	2	2	2	3	4	5	7
06:00	6	10	11	9	9	9	10	12	13	18
06:30	23	26	32	26	25	21	22	28	27	37
07:00	62	56	69	57	55	43	43	52	49	65
07:30	127	96	124	100	100	73	72	89	79	105
08:00	212	150	199	153	163	118	108	137	117	153
08:30	315	211	290	221	236	168	146	192	157	213
09:00	426	264	388	290	321	231	200	255	204	277
09:30	530	333	487	353	407	290	242	323	255	340
10:00	628	394	578	422	496	358	288	372	318	400
10:30	688	470	658	496	554	434	326	422	372	447
11:00	680	505	723	560	618	499	352	461	390	482
11:30	701	526	765	608	666	552	360	500	414	521
12:00	683	539	790	621	690	579	364	500	436	532
12:30	665	565	787	645	685	589	374	521	434	545
13:00	646	549	770	637	675	585	350	529	419	529
13:30	580	499	732	591	632	563	336	489	396	503
14:00	496	424	666	530	580	520	297	435	371	462
14:30	444	359	585	478	494	467	249	394	343	403
15:00	372	281	506	419	403	401	207	316	304	341
15:30	289	203	407	339	332	326	162	279	248	283
16:00	210	150	300	262	261	252	125	234	198	224
16:30	138	112	207	191	194	181	98	163	157	176
17:00	82	75	134	129	137	125	69	115	116	125
17:30	39	45	81	80	86	78	44	81	79	84
18:00	15	21	42	43	48	44	26	48	49	52
18:30	3	7	18	18	22	21	13	25	26	29
19:00	1	1	5	5	8	7	4	11	12	15
19:30	0	0	0	1	2	2	1	3	5	6
20:00	0	0	0	0	0	0	0	1	1	1
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	9,060	6,872	10,354	8,286	8,900	7,537	4,892	6,991	5,999	7,379

TABLE 1.29 SUMMARY OF UV COUNTS - JULY, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	1	1
05:30	0	1	1	1	1	1	3	3	3	4
06:00	4	7	5	6	6	5	10	9	9	12
06:30	18	23	19	20	20	14	25	23	23	25
07:00	52	50	45	46	47	30	48	48	44	51
07:30	112	89	85	85	91	56	83	83	72	82
08:00	194	143	144	138	153	94	124	129	112	123
08:30	299	207	217	199	226	147	177	194	160	181
09:00	418	267	306	273	303	210	237	257	215	246
09:30	538	328	397	340	392	277	295	322	281	300
10:00	647	372	488	410	470	343	352	385	333	365
10:30	711	411	574	471	541	412	405	452	370	426
11:00	770	451	621	506	620	475	448	499	420	473
11:30	742	479	678	545	648	540	472	544	468	488
12:00	705	477	711	567	674	582	501	564	483	505
12:30	673	452	717	564	707	597	481	572	487	516
13:00	598	451	686	540	676	590	455	563	480	510
13:30	556	407	615	513	605	569	421	533	464	496
14:00	526	354	545	487	554	522	368	493	427	483
14:30	450	292	492	415	495	465	327	428	398	438
15:00	366	241	414	354	394	397	279	375	351	380
15:30	293	196	326	290	333	329	229	318	294	321
16:00	224	150	255	226	258	256	176	254	229	250
16:30	146	105	174	165	178	189	129	198	169	192
17:00	88	69	108	114	112	128	90	143	131	140
17:30	44	41	66	70	63	79	57	91	91	99
18:00	16	20	34	37	34	44	33	54	56	59
18:30	3	7	13	15	16	20	16	28	31	32
19:00	1	1	3	4	5	7	5	12	13	16
19:30	0	0	0	0	1	1	1	3	5	6
20:00	0	0	0	0	0	0	0	0	1	1
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	9,195	6,092	8,740	7,401	8,624	7,376	6,248	7,579	6,624	7,223

TABLE 1.30 SUMMARY OF UV COUNTS - AUGUST, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	1	1
06:00	2	4	2	2	3	1	3	3	3	4
06:30	12	14	11	9	11	6	11	10	11	12
07:00	42	37	32	26	31	18	25	25	25	28
07:30	100	74	69	54	65	38	48	47	48	54
08:00	185	124	125	96	112	67	82	79	84	86
08:30	286	184	194	142	171	107	126	119	126	126
09:00	413	243	276	203	242	158	177	165	168	171
09:30	536	301	376	257	308	216	221	223	225	213
10:00	643	347	448	316	366	282	277	278	272	251
10:30	750	379	539	372	459	353	339	331	309	308
11:00	827	410	604	392	521	420	367	363	335	357
11:30	880	404	632	416	558	474	389	373	372	372
12:00	865	414	636	435	573	511	393	389	389	394
12:30	815	389	642	443	588	525	394	405	389	396
13:00	736	402	600	446	543	527	389	393	391	371
13:30	644	350	546	431	485	506	343	378	377	351
14:00	549	295	500	391	463	457	314	356	357	321
14:30	480	234	467	333	401	401	255	324	302	294
15:00	400	196	408	270	336	340	193	278	259	259
15:30	314	162	326	213	255	269	153	218	204	221
16:00	227	123	227	154	190	204	124	166	150	171
16:30	144	81	160	117	130	143	90	123	112	125
17:00	82	50	96	73	84	91	59	84	78	81
17:30	36	26	52	41	47	52	34	52	48	49
18:00	11	10	22	19	21	25	16	26	25	27
18:30	2	2	6	6	7	9	5	11	11	12
19:00	0	0	1	1	1	2	1	3	4	4
19:30	0	0	0	0	0	0	0	0	1	1
20:00	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	9,981	5,256	7,996	5,667	6,991	6,204	4,830	5,224	5,074	5,062

TABLE 1.31 SUMMARY OF UV COUNTS-- SEPTEMBER, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0
06:00	1	1	1	0	1	0	1	0	0	1
06:30	10	7	5	3	5	3	4	3	2	3
07:00	39	22	18	11	17	10	13	10	9	10
07:30	97	50	44	29	45	23	29	26	21	25
08:00	180	91	87	54	89	45	55	49	40	49
08:30	286	147	146	85	147	77	89	83	69	80
09:00	402	212	217	123	215	122	130	120	101	122
09:30	516	280	281	171	285	178	183	167	134	164
10:00	606	335	344	221	352	249	230	220	172	204
10:30	679	378	422	261	418	320	265	264	214	248
11:00	720	425	485	297	472	385	294	302	243	288
11:30	739	456	516	322	489	430	307	332	261	320
12:00	720	449	544	338	524	458	310	345	283	328
12:30	675	426	528	323	536	464	295	357	281	325
13:00	625	396	537	308	493	452	280	347	265	309
13:30	549	359	501	300	439	425	245	317	249	281
14:00	462	309	440	255	390	380	208	282	233	255
14:30	389	263	386	211	331	321	179	249	206	219
15:00	314	209	303	172	255	258	135	203	168	176
15:30	225	155	233	130	194	194	104	148	124	137
16:00	140	107	154	91	139	134	70	101	88	99
16:30	83	62	92	61	82	84	43	67	56	61
17:00	38	32	50	34	44	45	24	39	31	34
17:30	13	12	20	14	18	20	10	18	15	16
18:00	2	3	5	4	5	6	3	6	5	6
18:30	0	0	1	0	1	1	0	1	1	1
19:00	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	8,512	5,186	6,359	3,820	5,985	5,085	3,506	4,056	3,273	3,761

TABLE 1.32 SUMMARY OF UV COUNTS - OCTOBER, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0
06:00	1	0	0	0	0	0	0	0	0	0
06:30	9	1	1	1	1	1	1	0	0	0
07:00	34	6	9	6	5	4	4	2	2	2
07:30	85	23	28	19	17	13	13	8	6	7
08:00	161	55	59	41	38	31	29	21	16	17
08:30	255	98	106	73	74	57	53	40	32	33
09:00	361	150	163	113	119	90	85	67	57	56
09:30	457	210	227	157	176	128	122	99	82	79
10:00	543	264	293	197	224	168	157	131	112	100
10:30	615	314	368	238	257	198	184	157	134	124
11:00	645	348	420	275	313	238	206	179	158	147
11:30	660	362	450	304	335	262	205	193	165	165
12:00	637	360	447	315	360	266	210	193	171	175
12:30	571	350	443	307	350	256	205	197	168	178
13:00	525	333	425	291	328	246	188	183	166	173
13:30	459	300	392	260	288	224	160	167	146	159
14:00	385	257	321	223	236	197	138	142	124	135
14:30	286	213	251	185	197	171	109	112	96	107
15:00	213	160	192	140	149	116	78	84	73	81
15:30	147	107	129	97	105	78	53	57	49	54
16:00	85	67	75	60	65	47	30	35	29	32
16:30	38	33	37	31	32	24	14	19	16	16
17:00	13	12	14	12	12	9	5	7	6	6
17:30	2	2	3	3	3	2	1	2	2	1
18:00	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	7,189	4,026	4,856	3,348	3,686	2,825	2,248	2,095	1,810	1,846

TABLE 1.33 SUMMARY OF UV COUNTS - NOVEMBER, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0
06:30	1	0	0	0	0	0	0	0	0	0
07:00	6	2	2	1	1	1	0	0	0	0
07:30	19	10	11	5	7	4	3	0	1	0
08:00	50	27	31	17	20	14	9	2	4	2
08:30	97	55	62	34	43	30	21	7	10	5
09:00	162	91	105	60	76	52	38	15	19	11
09:30	238	130	156	88	112	78	59	27	30	20
10:00	318	170	200	113	150	104	78	43	42	33
10:30	402	209	246	140	187	132	99	59	54	47
11:00	475	233	285	159	222	152	113	75	63	59
11:30	504	248	307	172	241	171	123	92	66	68
12:00	529	265	311	181	255	173	124	101	66	75
12:30	516	255	311	184	254	168	124	101	66	79
13:00	484	235	290	180	228	155	108	101	60	75
13:30	434	209	254	161	194	135	92	91	54	66
14:00	370	180	211	136	154	107	73	77	41	56
14:30	317	142	159	108	117	83	52	63	30	43
15:00	251	106	108	77	82	56	36	49	20	30
15:30	171	69	68	49	46	33	21	33	11	18
16:00	110	37	35	26	22	16	10	19	5	10
16:30	58	15	13	10	8	5	3	9	1	4
17:00	25	4	3	2	2	1	0	3	0	1
17:30	7	0	0	0	0	0	0	1	0	0
18:00	1	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	5,544	2,690	3,169	1,902	2,420	1,672	1,185	967	644	700

TABLE 1.34 SUMMARY OF UV COUNTS - DECEMBER, 1974
MONTHLY AVERAGE BY TIME OF DAY FOR EACH STATION

TIME	MAUNA LOA	TALLA-HASSEE	EL PASO	FORT WORTH	ALBU-QUERQUE	OAKLAND	PHILA-DELPHIA	DES MOINES	MINNEA-POLIS	BISMARCK
00:30	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0
07:00	3	0	0	0	0	0	0	0	0	0
07:30	17	1	3	1	1	1	0	0	0	0
08:00	47	5	11	6	6	4	2	2	1	1
08:30	97	16	27	16	17	11	6	5	3	2
09:00	163	34	52	31	36	23	13	12	7	6
09:30	238	58	82	50	61	39	23	22	14	12
10:00	320	87	118	71	85	56	34	35	22	21
10:30	391	111	156	90	114	74	44	50	31	30
11:00	459	144	189	110	145	91	54	62	39	38
11:30	497	164	212	125	161	102	59	72	46	44
12:00	517	175	218	129	167	108	61	75	50	47
12:30	508	182	216	132	164	107	61	73	50	47
13:00	476	183	200	124	153	98	53	67	46	43
13:30	425	172	177	111	139	87	48	59	39	38
14:00	352	147	145	94	115	72	40	47	30	28
14:30	281	120	115	73	82	54	32	35	20	19
15:00	211	88	81	54	55	37	21	23	12	12
15:30	140	60	50	34	33	21	11	12	6	5
16:00	80	36	26	18	15	10	5	5	2	2
16:30	39	18	10	7	5	3	1	1	1	0
17:00	13	6	2	1	1	0	0	0	0	0
17:30	2	1	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0
TOTAL	5,279	1,809	2,087	1,278	1,556	997	567	657	418	396

TABLE 1.35 NUMBER OF DAYS DURING WHICH AT LEAST ONE HALF-HOUR UV COUNT REACHED SPECIFIED INTENSITY

Calendar Year 1974

Station	Latitude	Intensity Value						
		600	500	400	300	200	100	0
Mauna Loa	19.5°	259	337	355	361	365	365	365
Tallahassee	30.4°	79	153	203	276	338	359	365
El Paso	31.8°	173	215	255	312	352	361	365
Ft. Worth	32.8°	82	134	171	233	293	343	365
Albuquerque	35.1°	131	180	219	257	320	360	365
Oakland	37.7°	61	133	170	210	262	339	365
Philadelphia	39.9°	14	60	117	167	222	299	365
Des Moines	41.5°	44	94	130	171	221	299	365
Minneapolis	44.9°	18	64	111	147	196	264	365
Bismarck	46.8°	22	71	118	154	192	259	365

TABLE 1.36 PERCENT OF DAYS DURING WHICH AT LEAST ONE HALF-HOUR UV COUNT REACHED SPECIFIED INTENSITY

Calendar Year 1974

Station	Latitude	Intensity Value						
		600	500	400	300	200	100	0
Mauna Loa	19.5°	71.0	92.4	97.3	98.9	100.0	100.0	100.0
Tallahassee	30.4°	21.6	41.9	55.6	75.6	92.6	98.4	100.0
El Paso	31.8°	47.4	58.9	69.9	85.5	96.5	99.0	100.0
Ft. Worth	32.8°	22.5	36.7	46.8	63.8	80.2	93.9	100.0
Albuquerque	35.1°	35.9	49.3	60.0	70.4	87.7	98.7	100.0
Oakland	37.7°	16.7	36.4	46.5	57.5	71.7	92.8	99.9
Philadelphia	39.9°	3.8	16.4	32.0	45.7	60.8	81.9	100.0
Des Moines	41.5°	12.1	25.8	35.7	46.9	60.6	82.0	100.0
Minneapolis	44.9°	4.9	17.5	30.4	40.3	53.7	72.3	100.0
Bismarck	46.8°	6.0	19.4	32.3	42.2	52.6	71.0	100.0

TABLE 1.37 HALF-HOURLY UV COUNTS WHICH REACHED 200, BY TIME OF DAY, DURING 1974

TIME	MAUNA LOA		TALLA-HASSEE		EL PASO		FORT WORTH		ALBU-QUERQUE		OAKLAND		PHILA-DELPHIA		DES MOINES		MINNEA-POLIS		BISMARCK	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
08:00	40	0.8	2	0.1	22	0.5	0	0.0	3	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
08:30	169	3.5	93	2.7	112	2.6	65	2.1	97	2.7	27	1.0	28	1.3	37	1.6	22	1.1	44	2.1
09:00	249	5.1	145	4.1	176	4.1	122	3.8	156	4.3	68	2.4	85	4.0	66	2.8	51	2.6	74	3.5
09:30	342	7.1	199	5.7	220	5.1	163	5.1	187	5.2	100	3.5	119	5.6	102	4.4	100	5.1	100	4.8
10:00	355	7.3	241	6.9	257	6.0	201	6.3	225	6.2	151	5.3	147	6.9	134	5.7	126	6.4	119	5.7
10:30	354	7.3	266	7.6	294	6.8	232	7.3	252	6.9	180	6.3	169	7.9	158	6.8	138	7.0	142	6.8
11:00	358	7.4	281	8.0	330	7.7	254	8.0	274	7.6	204	7.2	182	8.5	171	7.3	151	7.6	155	7.4
11:30	357	7.4	308	8.8	345	8.0	268	8.5	287	7.9	229	8.1	184	8.6	186	8.0	158	8.0	158	7.5
12:00	352	7.3	307	8.8	344	8.0	272	8.6	302	8.3	237	8.3	190	8.9	185	7.9	167	8.4	170	8.1
12:30	338	7.0	304	8.7	341	7.9	273	8.6	311	8.6	242	8.5	193	9.0	193	8.3	169	8.5	177	8.4
13:00	327	6.7	308	8.8	342	7.9	262	8.3	297	8.2	241	8.5	185	8.6	197	8.4	163	8.2	172	8.2
13:30	326	6.7	290	8.3	326	7.6	252	7.9	277	7.6	226	8.0	172	8.0	188	8.0	158	8.0	162	7.7
14:00	314	6.5	255	7.3	304	7.0	225	7.1	245	6.8	219	7.7	162	7.6	174	7.4	144	7.3	149	7.1
14:30	309	6.4	205	5.8	269	6.2	202	6.4	231	6.4	205	7.2	133	6.2	164	7.0	138	7.0	141	6.7
15:00	278	5.7	166	4.7	236	5.5	151	4.8	192	5.3	180	6.3	100	4.7	134	5.7	119	6.0	123	5.9
15:30	201	4.1	106	3.0	200	4.6	131	4.1	149	4.1	159	5.6	69	3.2	112	4.8	96	4.8	104	5.0
16:00	141	2.9	31	0.9	134	3.1	93	2.9	100	2.8	128	4.5	21	1.0	91	3.9	57	2.9	69	3.3
16:30	38	0.8	0	0.0	61	1.4	4	0.1	42	1.2	46	1.6	0	0.0	45	1.9	23	1.2	38	1.8
17:00	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0
TOTAL	4848	100.0	3507	100.2	4313	100.0	3170	99.9	3627	100.2	2842	100.0	2139	100.0	2339	100.0	1980	100.1	2097	100.0
SUMMARY																				
11:31-12:30 (1 HR)	690	14.3	611	17.5	685	15.9	545	17.2	613	16.9	479	16.8	383	17.9	378	16.2	336	16.9	347	16.5
11:01-13:00 (2 HRS)	1374	28.4	1227	35.1	1372	31.8	1075	34.0	1197	33.0	949	33.4	752	35.1	761	32.6	657	33.1	677	32.2
10:31-13:30 (3 HRS)	2058	42.5	1798	51.4	2028	47.1	1581	49.9	1748	48.2	1379	48.6	1106	51.6	1120	47.9	966	48.7	994	47.3
10:01-14:00 (4 HRS)	2726	56.3	2319	66.3	2626	60.9	2038	64.3	2245	61.9	1778	62.6	1437	67.1	1452	62.1	1248	63.0	1285	61.2

TABLE 1.38 HALF-HOURLY UV COUNTS WHICH REACHED 300, BY TIME OF DAY, DURING 1974

	MAUNA LOA		TALLA-HASSEE		EL PASO		FORT WORTH		ALBU-QUERQUE		OAKLAND		PHILA-DELPHIA		DES MOINES		MINNEA-POLIS		BISMARCK	
TIME	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
08:30	62	1.6	1	0.0	11	0.3	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
09:00	173	4.4	43	1.9	97	3.0	24	1.1	77	3.0	8	0.4	10	0.8	15	1.0	1	0.1	21	1.5
09:30	246	6.2	123	5.5	164	5.1	99	4.6	137	5.3	50	2.5	51	4.1	59	3.8	38	3.1	56	4.1
10:00	327	8.3	166	7.4	200	6.3	135	6.3	176	6.8	94	4.7	89	7.1	76	4.9	73	6.0	81	5.9
10:30	344	8.7	192	8.5	236	7.4	162	7.6	205	7.9	129	6.5	117	9.4	108	7.0	99	8.2	95	6.9
11:00	350	8.8	220	9.8	261	8.2	199	9.3	214	8.3	163	8.2	130	10.4	127	8.3	108	8.9	114	8.3
11:30	337	8.5	236	10.5	283	8.9	210	9.8	224	8.7	181	9.1	133	10.7	141	9.2	121	10.0	132	9.6
12:00	326	8.2	242	10.8	290	9.1	217	10.2	237	9.2	188	9.5	138	11.1	144	9.4	124	10.3	135	9.9
12:30	315	8.0	235	10.4	291	9.1	212	9.9	243	9.4	195	9.9	140	11.2	152	9.9	125	10.3	137	10.0
13:00	309	7.8	223	9.9	284	8.9	201	9.4	231	9.0	195	9.9	131	10.5	148	9.6	118	9.8	135	9.9
13:30	300	7.6	199	8.8	260	8.2	191	9.0	217	8.4	187	9.4	111	8.9	143	9.3	107	8.9	124	9.1
14:00	277	7.0	158	7.0	239	7.5	162	7.6	195	7.6	178	9.0	92	7.4	130	8.5	103	8.5	118	8.6
14:30	245	6.2	125	5.6	214	6.7	137	6.4	184	7.1	165	8.3	66	5.3	117	7.6	88	7.3	96	7.0
15:00	179	4.5	74	3.3	179	5.6	118	5.5	129	5.0	145	7.3	34	2.7	93	6.1	70	5.8	72	5.3
15:30	125	3.2	12	0.5	127	4.0	66	3.1	80	3.1	94	4.7	6	0.5	66	4.3	30	2.5	46	3.4
16:00	42	1.1	0	0.0	54	1.7	0	0.0	31	1.2	7	0.4	0	0.0	18	1.2	3	0.2	7	0.5
TOTAL	3957	100.1	2249	99.9	3190	100.0	2133	99.8	2581	100.0	1979	99.8	1248	100.1	1537	100.1	1208	99.9	1369	100.0
SUMMARY																				
11:31-12:30 (1 HR)	641	16.2	477	21.2	581	18.2	429	20.1	480	18.6	383	19.4	278	22.3	296	19.3	249	20.6	272	19.9
11:01-13:00 (2 HRS)	1287	32.5	936	41.6	1148	36.0	840	39.3	935	36.3	759	38.4	542	43.5	585	38.1	488	40.4	539	39.4
10:31-13:30 (3 HRS)	1937	48.9	1355	60.2	1669	52.4	1230	57.6	1366	53.0	1109	56.0	783	62.8	855	55.7	703	58.2	777	56.8
10:01-14:00 (4 HRS)	2558	64.6	1705	75.7	2144	67.3	1554	72.8	1766	68.5	1416	71.5	992	79.6	1093	71.2	905	74.9	990	72.3

TABLE 1.39 HALF-HOURLY UV COUNTS WHICH REACHED 400, BY TIME OF DAY, DURING 1974

TIME	MAUNA LOA		TALLA-HASSEE		EL PASO		FORT WORTH		ALBU-QUERQUE		OAKLAND		PHILA-DELPHIA		DES MOINES		MINNEA-POLIS		BISMARCK	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
09:00	116	3.6	0	0.0	13	0.6	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
09:30	178	5.6	21	1.6	95	4.1	10	0.7	59	3.2	0	0.0	2	0.3	0	0.0	0	0.0	0	0.0
10:00	239	7.5	92	6.9	151	6.5	83	6.2	124	6.8	38	2.8	27	4.3	40	4.3	21	3.2	39	4.9
10:30	297	9.3	121	9.1	189	8.1	112	8.3	155	8.5	89	6.5	52	8.3	65	6.9	47	7.1	61	7.7
11:00	327	10.2	161	12.1	210	9.0	135	10.0	182	9.9	119	8.7	79	12.6	83	8.9	66	10.0	78	9.8
11:30	319	10.0	161	12.1	232	9.9	145	10.8	197	10.7	146	10.7	88	14.0	104	11.1	83	12.5	83	10.5
12:00	301	9.4	167	12.6	235	10.1	153	11.4	198	10.8	153	11.2	98	15.6	108	11.5	92	13.9	92	11.6
12:30	298	9.3	164	12.3	235	10.1	152	11.3	200	10.9	158	11.5	86	13.7	109	11.6	89	13.4	100	12.6
13:00	282	8.8	158	11.9	227	9.7	154	11.4	189	10.3	164	12.0	82	13.1	109	11.6	79	11.9	95	12.0
13:30	264	8.2	132	9.9	214	9.2	139	10.3	174	9.5	163	11.9	61	9.7	104	11.1	71	10.7	82	10.3
14:00	221	6.9	99	7.4	194	8.3	125	9.3	149	8.1	146	10.7	38	6.1	91	9.7	58	8.8	72	9.1
14:30	168	5.2	47	3.5	162	6.9	95	7.1	122	6.7	125	9.1	14	2.2	75	8.0	36	5.4	55	6.9
15:00	125	3.9	6	0.5	123	5.3	44	3.3	68	3.7	64	4.7	1	0.2	46	4.9	20	3.0	36	4.5
15:30	68	2.1	0	0.0	52	2.2	0	0.0	17	0.9	3	0.2	0	0.0	1	0.1	0	0.0	0	0.0
16:00	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0
TOTAL	3203	100.0	1329	99.9	2332	100.0	1347	100.1	1834	100.0	1369	100.1	628	100.1	936	99.8	662	99.9	793	99.9
SUMMARY																				
11:31-12:30 (1 HR)	599	18.7	331	24.9	470	20.2	305	22.7	398	21.7	311	22.7	184	29.3	217	23.1	181	27.3	192	24.2
11:01-13:00 (2 HRS)	1200	37.5	650	48.9	929	39.8	604	44.9	784	42.7	621	45.4	354	56.4	430	45.8	343	51.7	370	46.7
10:31-13:30 (3 HRS)	1791	55.9	943	70.9	1353	58.0	878	65.2	1140	62.1	903	66.0	494	78.7	617	65.8	480	72.4	530	66.8
10:01-14:00 (4 HRS)	2309	72.1	1163	87.4	1736	74.4	1115	82.8	1444	78.7	1138	83.2	584	93.1	773	82.4	585	88.3	663	83.6

TABLE 1.40 HALF-HOURLY UV COUNTS WHICH REACHED 500, BY TIME OF DAY, DURING 1974

TIME	MAUNA LOA		TALLA-HASSEE		EL PASO		FORT WORTH		ALBU-QUERQUE		OAKLAND		PHILA-DELPHIA		DES MOINES		MINNEA-POLIS		BISMARCK	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
09:30	117	4.9	0	0.0	13	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10:00	183	7.6	7	1.0	93	5.6	5	0.7	37	3.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10:30	236	9.8	51	7.5	149	9.0	28	3.7	108	8.9	27	3.4	9	4.1	21	4.3	3	1.1	12	3.3
11:00	248	10.3	94	13.8	170	10.3	91	11.9	140	11.6	55	6.9	32	14.4	47	9.6	24	8.7	41	11.1
11:30	282	11.7	106	15.5	184	11.2	112	14.6	148	12.2	105	13.2	37	16.7	61	12.5	39	14.1	50	13.6
12:00	279	11.6	109	16.0	190	11.5	116	15.1	164	13.5	119	15.0	41	18.5	67	13.7	50	18.1	58	15.8
12:30	267	11.1	110	16.1	192	11.6	121	15.8	163	13.5	128	16.1	46	20.7	71	14.5	51	18.4	58	15.8
13:00	240	10.0	106	15.5	183	11.1	112	14.6	145	12.0	127	16.0	34	15.3	80	16.4	47	17.0	53	14.4
13:30	202	8.4	72	10.5	175	10.6	98	12.8	119	9.8	115	14.5	19	8.6	68	13.9	34	12.3	50	13.6
14:00	151	6.3	27	4.0	143	8.7	73	9.5	105	8.7	87	10.9	4	1.8	52	10.6	23	8.3	40	10.9
14:30	124	5.2	1	0.1	112	6.8	11	1.4	67	5.5	31	3.9	0	0.0	21	4.3	6	2.2	6	1.6
15:00	65	2.7	0	0.0	46	2.8	0	0.0	15	1.2	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
15:30	11	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
16:00	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0
TOTAL	2405	100.1	683	100.0	1650	100.0	767	100.1	1211	100.0	795	100.0	222	100.1	489	100.0	277	100.2	368	100.1
SUMMARY																				
11:31-12:30 (1 HR)	546	22.7	219	32.1	382	23.1	237	30.9	327	27.0	247	31.1	87	39.2	138	28.2	101	36.5	116	31.6
11:01-13:00 (2 HRS)	1068	44.4	431	63.1	749	45.4	461	60.1	620	51.2	479	60.3	158	71.2	279	57.1	187	67.6	219	59.6
10:31-13:30 (3 HRS)	1518	63.1	597	87.4	1094	66.3	650	84.8	879	72.6	649	81.7	209	94.2	394	80.6	245	88.6	310	84.3
10:01-14:00 (4 HRS)	1905	79.2	675	98.9	1386	84.0	751	98.0	1092	90.2	763	96.0	222	100.1	467	95.5	271	98.0	362	98.5

TABLE 1.41 HALF-HOURLY UV COUNTS WHICH REACHED 600, BY TIME OF DAY, DURING 1974

TIME	MAUNA LOA		TALLA-HASSEE		EL PASO		FORT WORTH		ALBU-QUERQUE		OAKLAND		PHILA-DELPHIA		DES MOINES		MINNEA-POLIS		BISMARCK	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
10:00	112	6.9	0	0.0	10	0.9	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10:30	172	10.7	2	0.9	87	8.0	3	1.0	16	2.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
11:00	190	11.8	21	9.9	128	11.8	16	5.3	86	12.2	4	1.9	1	3.2	0	0.0	0	0.0	0	0.0
11:30	211	13.1	43	20.2	144	13.3	60	19.9	116	16.5	27	12.6	5	16.1	18	13.4	0	0.0	3	5.6
12:00	216	13.4	49	23.0	157	14.5	68	22.6	120	17.1	44	20.6	12	38.7	32	23.9	8	22.9	14	25.9
12:30	201	12.5	52	24.4	154	14.2	76	25.2	122	17.4	56	26.2	9	29.0	35	26.1	16	45.7	20	37.0
13:00	168	10.4	32	15.0	147	13.5	58	19.3	108	15.4	49	22.9	4	12.9	31	23.1	8	22.9	15	27.8
13:30	141	8.7	13	6.1	131	12.1	18	6.0	80	11.4	32	15.0	0	0.0	16	11.9	3	8.6	2	3.7
14:00	113	7.0	1	0.5	88	8.1	1	0.3	52	7.4	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0
14:30	74	4.6	0	0.0	39	3.6	0	0.0	3	0.4	1	0.5	0	0.0	0	0.0	0	0.0	0	0.0
15:00	13	0.8	0	0.0	0	0.0	0	0.0	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0	0	0.0
15:30	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
16:00	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0
TOTAL	1612	100.0	213	100.0	1085	100.0	301	99.9	703	100.1	214	100.2	31	99.9	134	99.8	35	100.1	54	100.0
SUMMARY																				
11:31-12:30 (1 HR)	417	25.9	101	47.4	311	28.7	144	47.8	242	34.5	100	46.8	21	67.7	67	50.0	24	68.6	34	62.9
11:01-13:00 (2 HRS)	796	49.4	176	82.6	602	55.5	262	87.0	466	66.4	176	82.3	30	96.7	116	86.5	32	91.5	52	96.3
10:31-13:30 (3 HRS)	1127	69.9	210	98.6	861	79.4	296	98.3	632	90.0	212	99.2	31	99.9	132	98.4	35	100.1	54	100.0
10:01-14:00 (4 HRS)	1412	87.6	213	100.0	1036	95.5	300	99.6	700	99.7	212	99.2	31	99.9	133	99.1	35	100.1	54	100.0

TABLE 1.42 NUMBER OF DAYS IN YEAR DURING WHICH INTENSITY VALUE WAS EXCEEDED FOR SPECIFIED NUMBER OF HOURS

LOCATION = MAUNA LOA

Intensity	Never Exceeded Intensity		.5 to 1 hr.	1 hr. to 2 hr.	2 hr. to 3 hr.	3 hr. to 4 hr.	4 hr. to 5 hr.	5 hr. to 6 hr.	6 hr. to 7 hr.	8 or more hrs.	Totals
200	No.	0	1	3	10	17	25	77	74	158	365
	%	0.0	0.3	0.8	2.7	4.7	6.8	21.1	20.3	43.2	100.0
400	No	10	14	27	45	63	58	88	60	0	365
	%	2.7	3.8	7.4	12.3	17.3	15.9	24.1	16.4	0.0	100.0
600	No.	106	43	28	70	45	73	0	0	0	365
	%	29.0	11.8	7.7	19.2	12.3	20.0	0.0	0.0	0.0	100.0

LOCATION = TALLAHASSEE

Intensity	Never Exceeded Intensity		.5 to 1 hr.	1 hr. to 2 hr.	2 hr. to 3 hr.	3 hr. to 4 hr.	4 hr. to 5 hr.	5 hr. to 6 hr.	6 hr. to 7 hr.	8 or more hrs.	Totals
200	No	27	15	19	27	35	52	70	67	53	365
	%	7.4	4.1	5.2	7.4	9.6	14.2	19.2	18.4	14.5	100.0
400	No	162	20	33	41	48	51	10	0	0	365
	%	44.4	5.5	9.0	11.2	13.2	14.0	2.7	0.0	0.0	100.0
600	No	286	39	29	11	0	0	0	0	0	365
	%	78.4	10.7	7.9	3.0	0.0	0.0	0.0	0.0	0.0	100.0

LOCATION = EL PASO

Intensity	Never Exceeded Intensity		.5 to 1 hr.	1 hr. to 2 hr.	2 hr. to 3 hr.	3 hr. to 4 hr.	4 hr. to 5 hr.	5 hr. to 6 hr.	6 hr. to 7 hr.	8 or more hrs.	Totals
200	No	13	5	8	21	39	42	59	59	133	365
	%	3.6	1.4	2.2	5.8	10.7	11.5	12.3	16.2	36.5	100.0
400	No.	110	12	22	24	37	47	66	47	0	365
	%	30.1	3.3	6.0	6.6	10.1	12.9	18.1	12.9	0.0	100.0
600	No	192	16	20	51	49	37	0	0	0	365
	%	52.6	4.4	5.5	14.0	13.4	10.1	0.0	0.0	0.0	100.0

LOCATION = FORT WORTH

Intensity	Never Exceeded Intensity		.5 to 1 hr.	1 hr. to 2 hr.	2 hr. to 3 hr.	3 hr. to 4 hr.	4 hr. to 5 hr.	5 hr. to 6 hr.	6 hr. to 7 hr.	8 or more hrs.	Totals
200	No.	72	15	22	20	32	40	38	40	86	365
	%	19.7	4.1	6.0	5.5	8.8	11.0	10.4	11.0	23.5	100.0
400	No	194	14	15	23	29	50	40	0	0	365
	%	53.2	3.8	4.1	6.3	7.9	13.7	11.0	0.0	0.0	100.0
600	No	283	20	44	16	2	0	0	0	0	365
	%	77.5	5.5	12.1	4.4	0.5	0.0	0.0	0.0	0.0	100.0

LOCATION = ALBUQUERQUE

Intensity	Never Exceeded Intensity		.5 to 1 hr.	1 hr. to 2 hr.	2 hr. to 3 hr.	3 hr. to 4 hr.	4 hr. to 5 hr.	5 hr. to 6 hr.	6 hr. to 7 hr.	8 or more hrs.	Totals
200	No	45	11	23	31	24	35	35	65	96	365
	%	12.3	3.0	6.3	8.5	6.6	9.6	9.6	17.8	26.3	100.0
400	No	146	15	17	21	41	54	58	13	0	365
	%	40.0	4.1	4.7	5.8	11.2	14.8	15.9	3.6	0.0	100.0
600	No	234	14	30	38	49	0	0	0	0	365
	%	64.1	3.8	8.2	10.4	13.4	0.0	0.0	0.0	0.0	100.0

TABLE 1.43 NUMBER OF DAYS IN YEAR DURING WHICH INTENSITY VALUE WAS EXCEEDED FOR SPECIFIED NUMBER OF HOURS

LOCATION = OAKLAND

Intensity	Never Exceeded Intensity		.5 to 1 hr.	1 hr. to 2 hr.	2 hr. to 3 hr.	3 hr. to 4 hr.	4 hr. to 5 hr.	5 hr. to 6 hr.	6 hr. to 7 hr.	8 or more hrs.	Totals
200	No.	103	22	16	16	17	38	28	56	69	365
	%	28.2	6.0	4.4	4.4	4.7	10.4	7.7	15.3	18.9	100.0
400	No.	195	7	11	29	32	56	35	0	0	365
	%	53.4	1.9	3.0	7.9	8.8	15.3	9.6	0.0	0.0	100.0
600	No.	304	17	19	25	0	0	0	0	0	365
	%	83.3	4.7	5.2	6.8	0.0	0.0	0.0	0.0	0.0	100.0

LOCATION = PHILADELPHIA

Intensity	Never Exceeded Intensity		.5 to 1 hr.	1 hr. to 2 hr.	2 hr. to 3 hr.	3 hr. to 4 hr.	4 hr. to 5 hr.	5 hr. to 6 hr.	6 hr. to 7 hr.	8 or more hrs.	Totals
200	No.	143	14	26	17	26	34	34	41	30	365
	%	39.2	3.8	7.1	4.7	7.1	9.3	9.3	11 2	8 2	100.0
400	No	248	24	24	27	22	17	3	0	0	365
	%	67.9	6.6	6.6	7.4	6.0	4.7	0.8	0.0	0.0	100.0
600	No.	351	10	3	1	0	0	0	0	0	365
	%	96.2	2.7	0.8	0.3	0.0	0.0	0.0	0.0	0 0	100 0

LOCATION = DES MOINES

Intensity	Never Exceeded Intensity		.5 to 1 hr.	1 hr. to 2 hr.	2 hr. to 3 hr.	3 hr. to 4 hr.	4 hr. to 5 hr.	5 hr. to 6 hr.	6 hr. to 7 hr.	8 or more hrs	Totals
200	No	144	17	17	22	18	24	28	30	65	365
	%	39.5	4.7	4.7	6.0	4.9	6.6	7.7	8.2	17.8	100 0
400	No	235	15	9	30	24	27	25	0	0	365
	%	64.4	4.1	2.5	8.2	6.6	7.4	6.8	0.0	0.0	100 0
600	No.	321	16	17	11	0	0	0	0	0	365
	%	87.9	4.4	4.7	3.0	0.0	0.0	0.0	0.0	0.0	100 0

LOCATION = MINNEAPOLIS

Intensity	Never Exceeded Intensity		.5 to 1 hr.	1 hr. to 2 hr.	2 hr. to 3 hr.	3 hr. to 4 hr.	4 hr. to 5 hr.	5 hr. to 6 hr.	6 hr. to 7 hr.	8 or more hrs.	Totals
200	No.	169	16	18	18	18	20	28	36	42	365
	%	46 3	4.4	4.9	4.9	4.9	5.5	7.7	9.9	11 5	100 0
400	No	254	19	22	18	25	18	9	0	0	365
	%	69.6	5.2	6.0	4 9	6.8	4 9	2.5	0 0	0 0	100.0
600	No.	347	12	6	0	0	0	0	0	0	365
	%	95 1	3.3	1 6	0 0	0.0	0 0	0.0	0 0	0 0	100 0

LOCATION = BISMARCK

Intensity	Never Exceeded Intensity		.5 to 1 hr.	1 hr. to 2 hr.	2 hr. to 3 hr.	3 hr. to 4 hr.	4 hr. to 5 hr.	5 hr. to 6 hr.	6 hr. to 7 hr.	8 or more hrs	Totals
200	No	173	17	12	9	18	23	27	31	55	365
	%	47 4	4.7	3.3	2.5	4.9	6.3	7.4	8.5	15 0	100 0
400	No.	247	18	21	13	20	20	26	0	0	365
	%	67 7	4.9	5.8	3.6	5.5	5 5	7 1	0 0	0.0	100.0
600	No.	343	8	14	0	0	0	0	0	0	365
	%	94 0	2.2	3.8	0 0	0.0	0.0	0 0	0.0	0.0	100 0

FIGURE 1.22 PERCENT OF DAYS IN YEAR DURING WHICH INTENSITY VALUE OF TWO HUNDRED WAS EXCEEDED FOR SPECIFIED NUMBER OF HOURS.

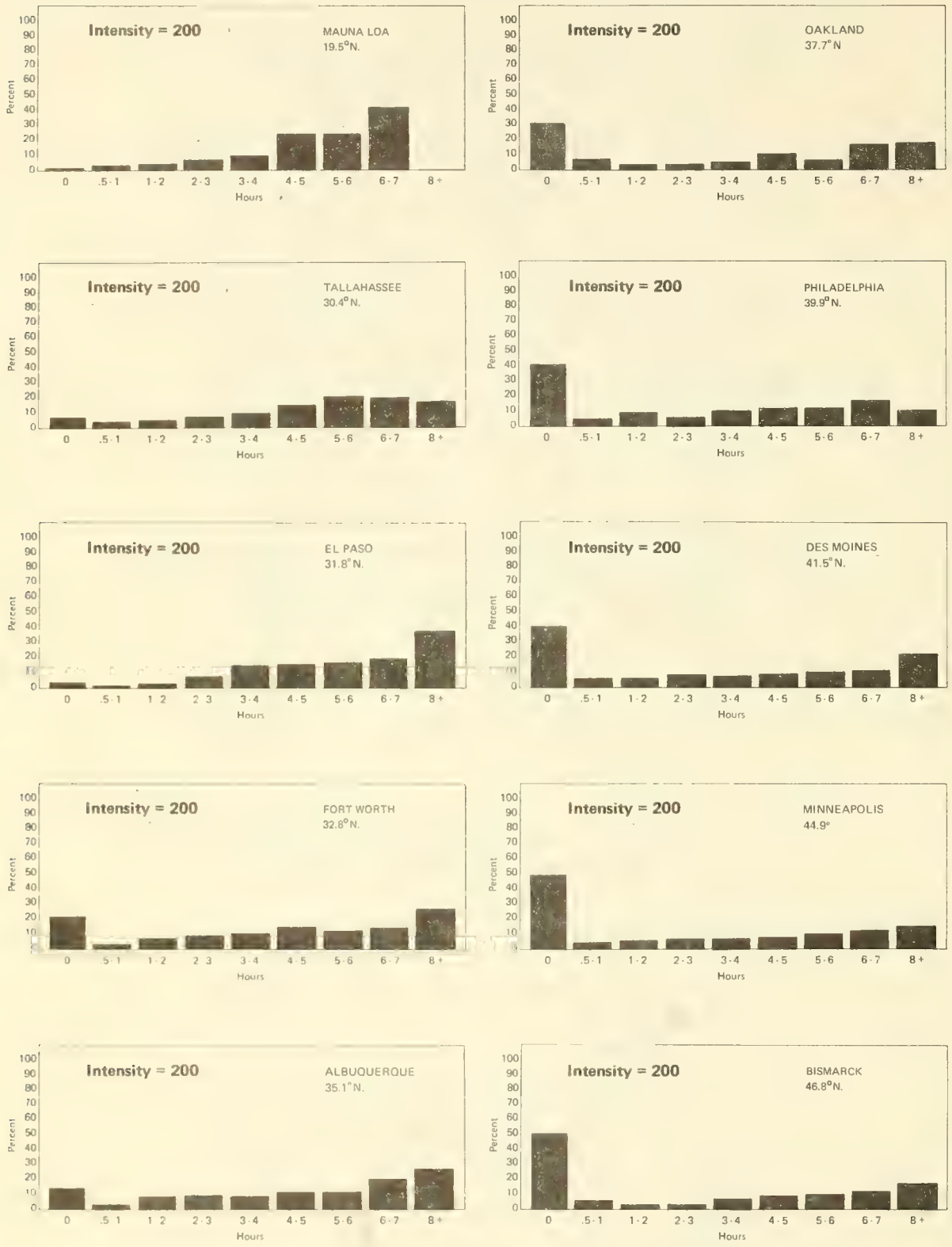


FIGURE 1.23 PERCENT OF DAYS IN YEAR DURING WHICH INTENSITY VALUE OF FOUR HUNDRED WAS EXCEEDED FOR SPECIFIED NUMBER OF HOURS.

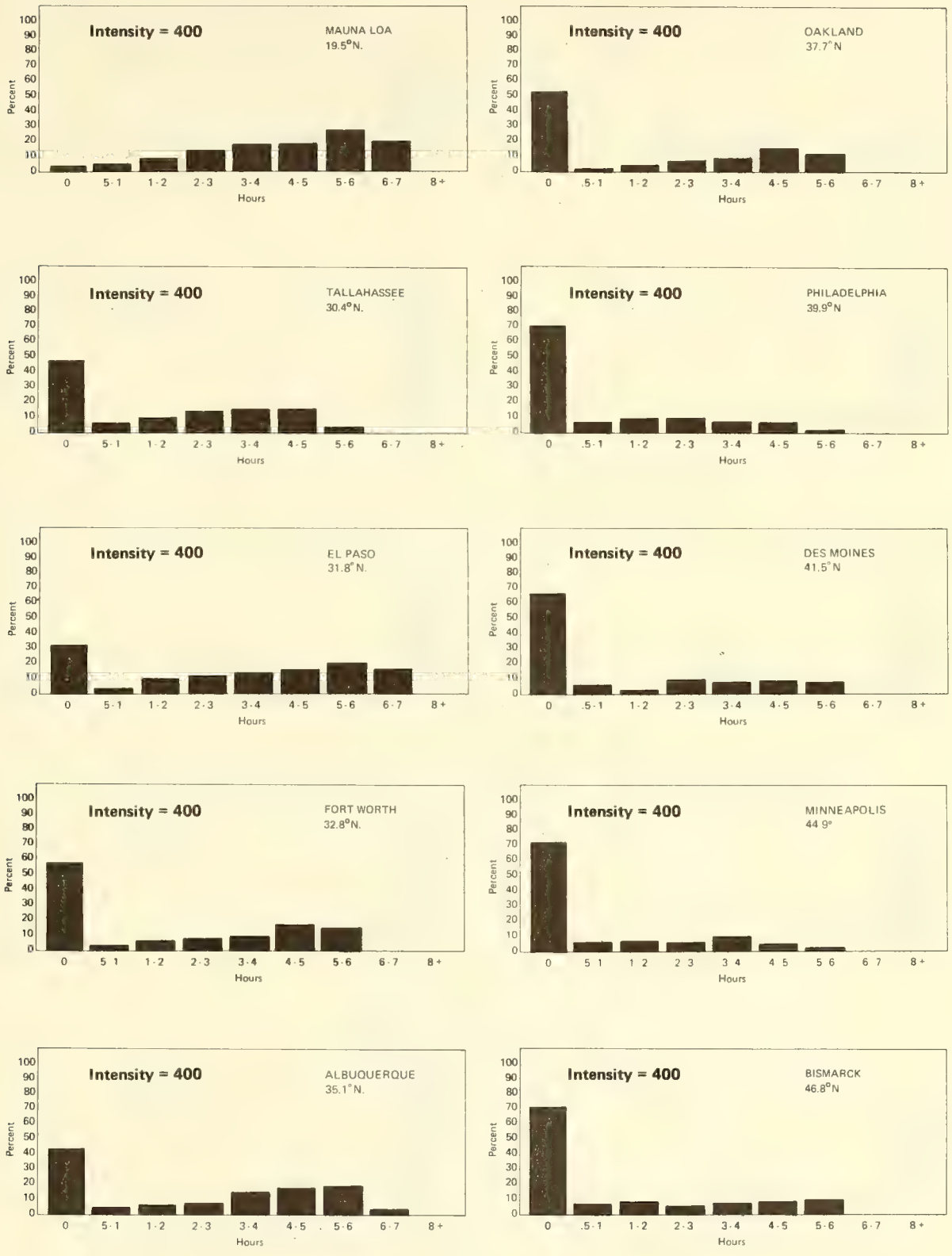
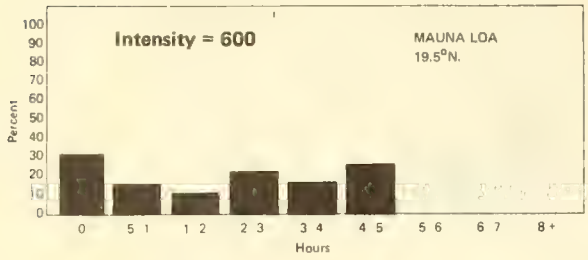
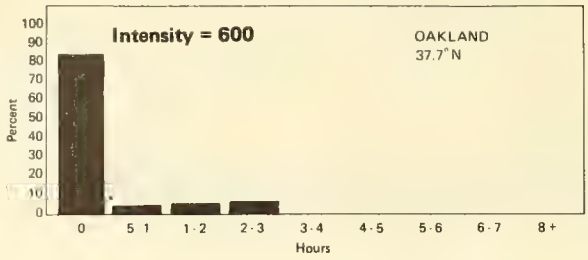
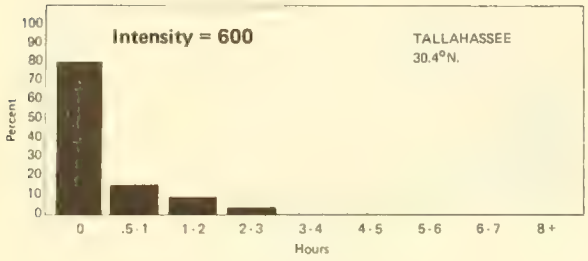
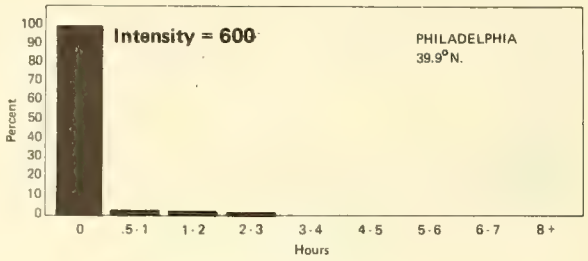


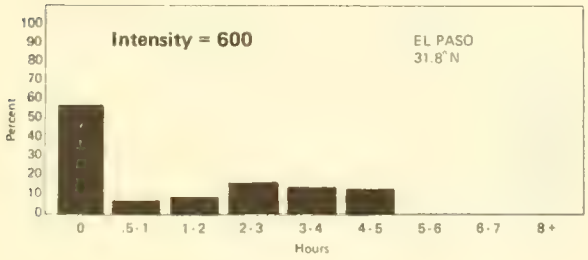
FIGURE 1.24 PERCENT OF DAYS IN YEAR DURING WHICH INTENSITY VALUE OF SIX HUNDRED WAS EXCEEDED FOR SPECIFIED NUMBER OF HOURS.

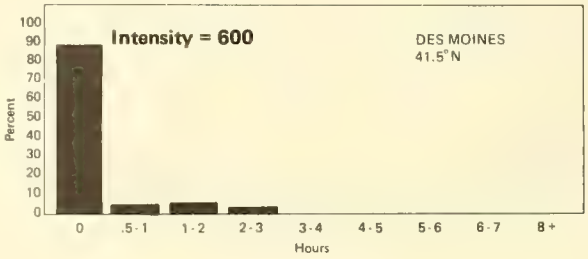


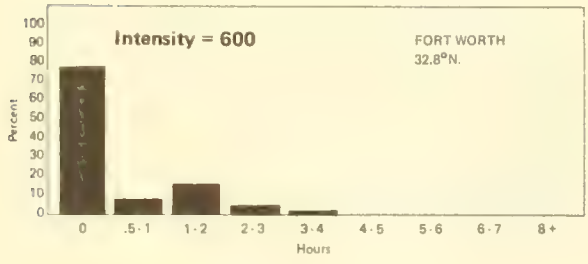


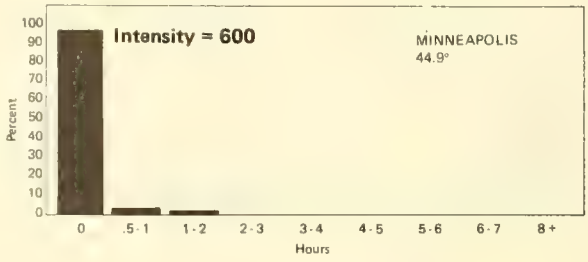


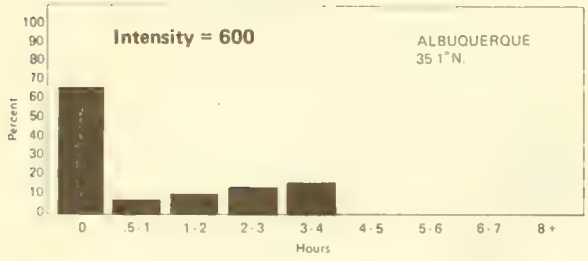












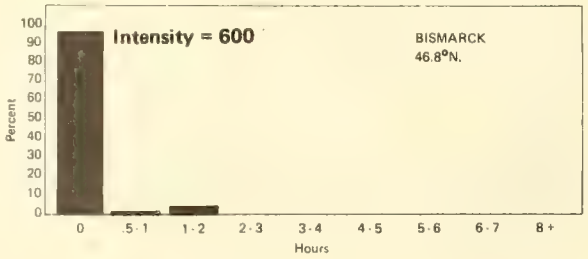


FIGURE 1.25 TIME OF DAY AT WHICH SPECIFIED INTENSITY FIRST REACHED AT MAUNA LOA

Time of Day

Intensity	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00
200	11.0	35.3	21.9	26.0	3.8	0.5	1.1	0.3	0.0	0.0	0.0
400	0.0	0.0	32.7	17.7	18.0	17.5	11.0	2.0	0.3	0.8	0.0
600	0.0	0.0	0.0	0.0	43.2	25.1	13.1	12.4	4.6	1.5	0.0

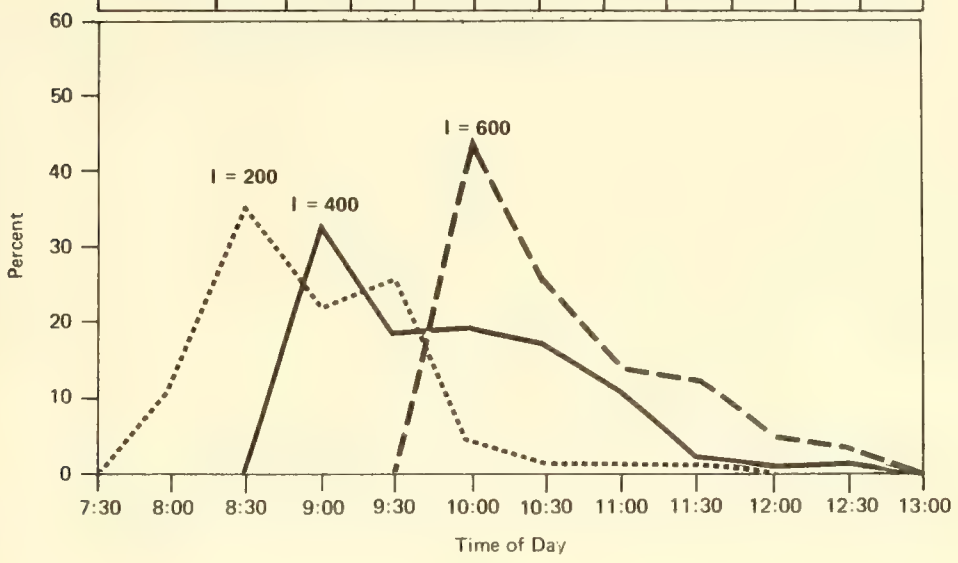


FIGURE 1.26 TIME OF DAY AT WHICH SPECIFIED INTENSITY FIRST REACHED AT TALLAHASSEE

Time of Day

Intensity	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00
200	0.6	26.9	16.0	16.6	12.4	8.0	5 3	8 3	2 1	1 5	2.4
400	0.0	0 0	0.0	10.3	35.0	19.2	20.2	4 9	5 9	3.0	1.5
600	0.0	0.0	0.0	0.0	0.0	2.5	24.1	35 4	24.1	8.9	5.1

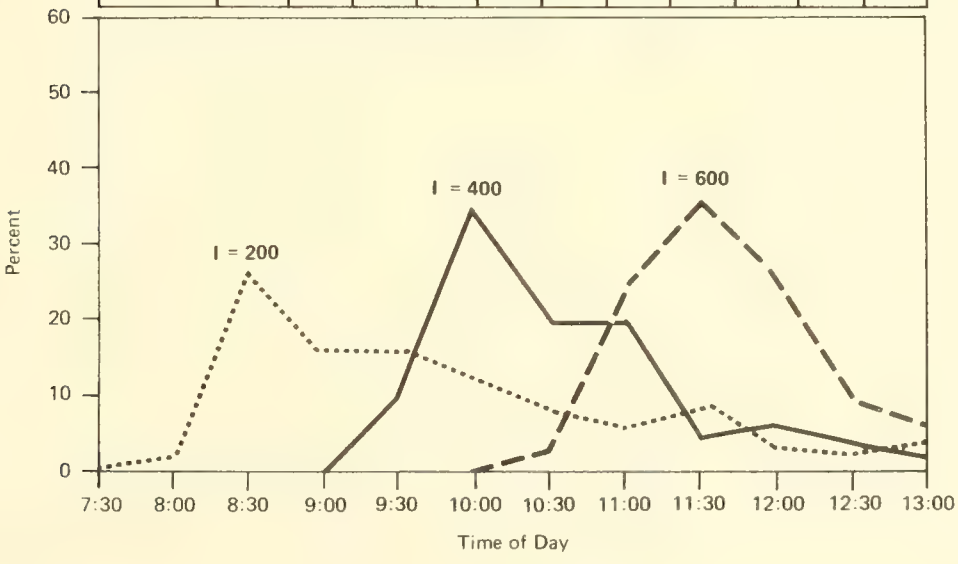


FIGURE 1.27 TIME OF DAY AT WHICH SPECIFIED INTENSITY FIRST REACHED AT EL PASO

Time of Day

Intensity	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00
200	6.3	25.6	18.2	12.8	11.1	9.9	10.8	4.0	0.6	0.3	0.6
400	0.0	0.0	5.1	32.5	22.0	15.7	8.2	8.2	5.5	2.0	0.8
600	0.0	0.0	0.0	0.0	5.8	44.5	25.4	12.7	7.5	2.3	1.7

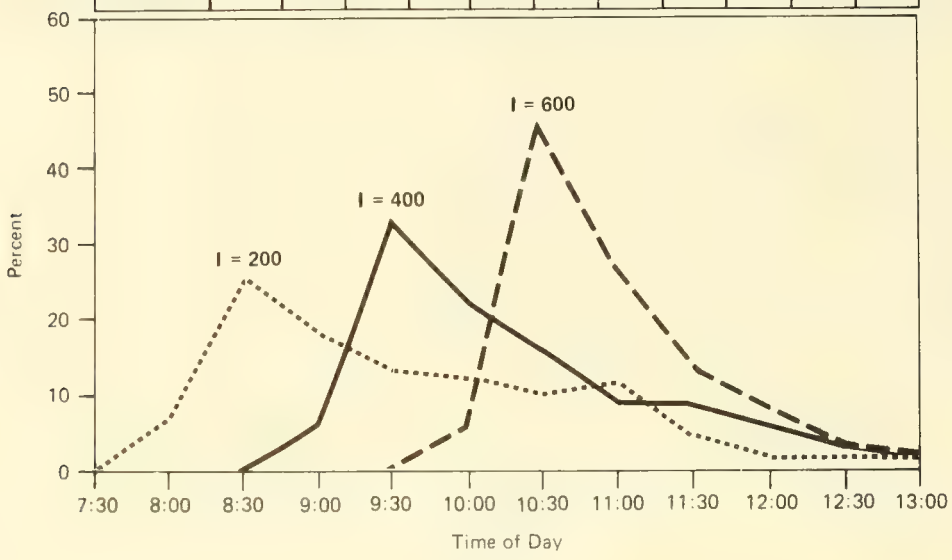


FIGURE 1.28 TIME OF DAY AT WHICH SPECIFIED INTENSITY FIRST REACHED AT FORT WORTH

Time of Day

Intensity	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00
200	0.0	22.2	19.5	14.3	13.7	10.6	9.9	6.5	1.7	0.3	1.4
400	0.0	0.0	0.0	5.8	42.7	17.5	15.8	6.4	5.3	3.5	2.9
600	0.0	0.0	0.0	0.0	1.2	2.4	15.9	53.7	14.6	12.2	0.0

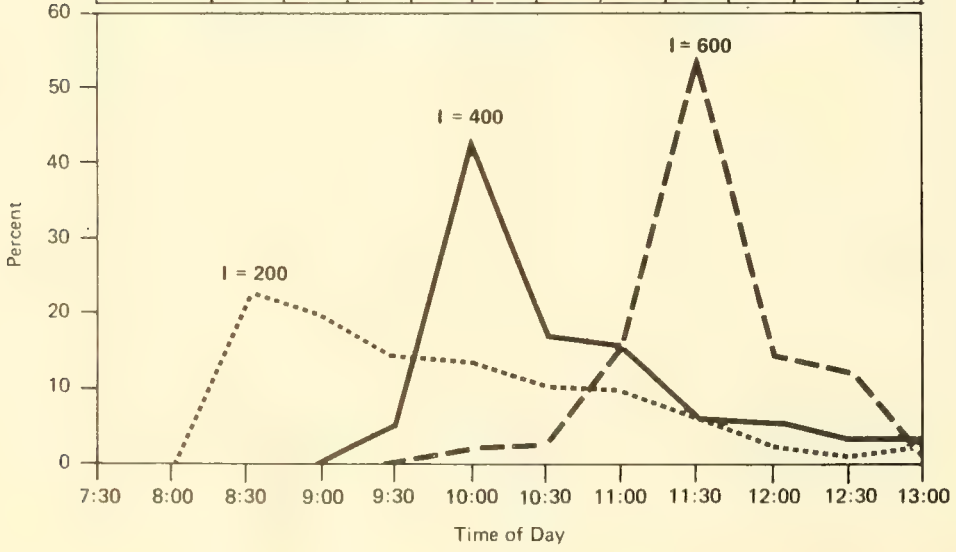


FIGURE 1.29 TIME OF DAY AT WHICH SPECIFIED INTENSITY FIRST REACHED AT ALBUQUERQUE

Time of Day

Intensity	8:00	8:30	9:00	9 30	10:00	10 30	11 00	11 30	12 00	12 30	13 00
200	0.9	29.4	18 4	10 0	11 6	9 1	7 5	5 6	4 4	1 9	1 3
400	0 0	0 0	0.0	26 9	29 7	15 5	12 3	6 8	2 3	2 7	3 7
600	0.0	0 0	0 0	0 0	0 0	12 2	53 4	24 4	6 1	1 5	2 3

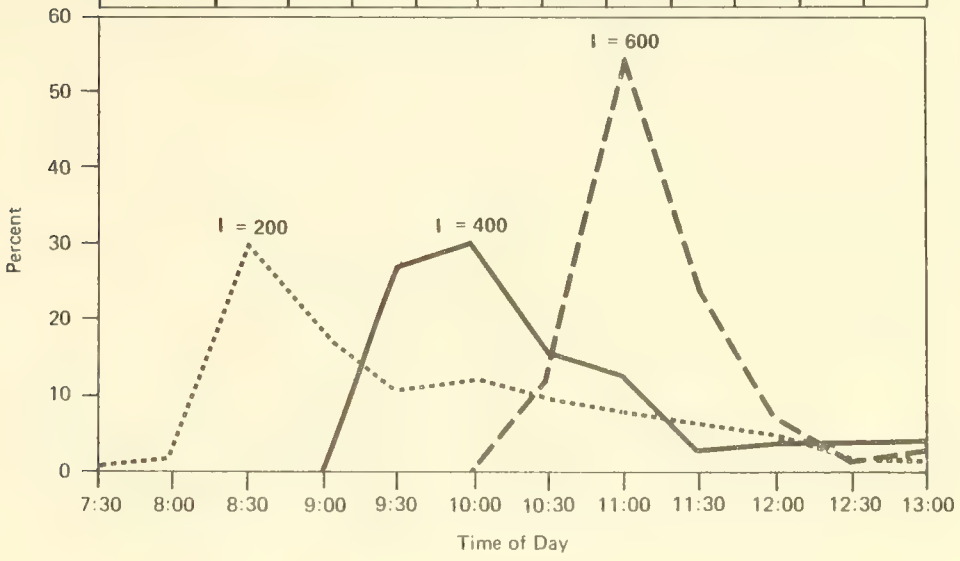


FIGURE 1.30 TIME OF DAY AT WHICH SPECIFIED INTENSITY FIRST REACHED AT OAKLAND

Time of Day

Intensity	8 00	8 30	9 00	9:30	10 00	10 30	11 00	11 30	12 00	12 30	13:00
200	0 0	10 3	15 6	12 2	19 5	11 8	9 2	9 5	5 0	3 4	3 4
400	0 0	0 0	0 6	0 0	21 8	30 0	17 6	15 9	5 9	2 9	5 3
600	0 0	0 0	0 0	0 0	0 0	0 0	6 6	37 7	27 9	21 3	6 6

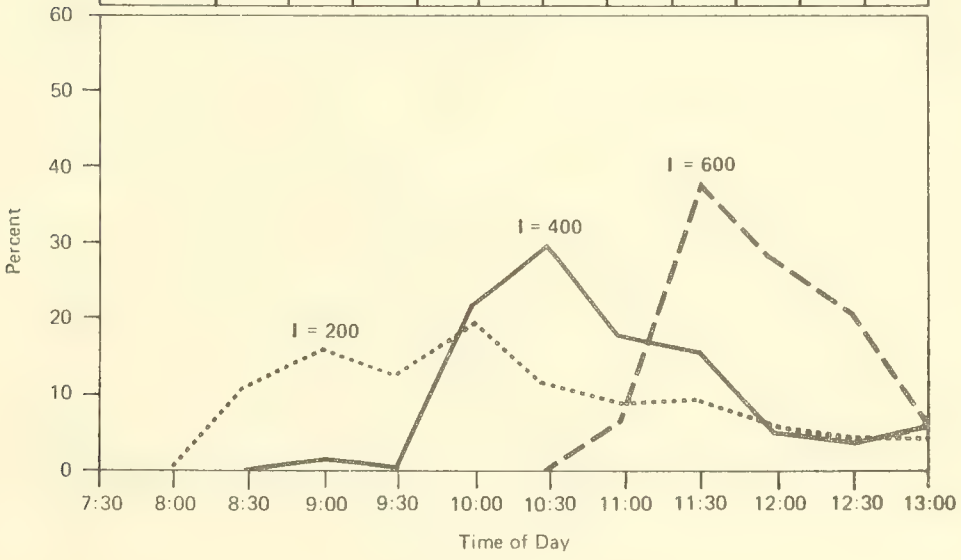


FIGURE 1.31 TIME OF DAY AT WHICH SPECIFIED INTENSITY FIRST REACHED AT PHILADELPHIA

Time of Day

Intensity	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00
200	0.0	12.6	25.7	15.3	14.0	11.3	7.7	5.9	1.8	2.7	3.2
400	0.0	0.0	0.0	1.7	21.4	23.1	24.8	10.3	12.8	3.4	2.6
600	0.0	0.0	0.0	0.0	0.0	0.0	7.1	28.6	57.1	7.1	0.0

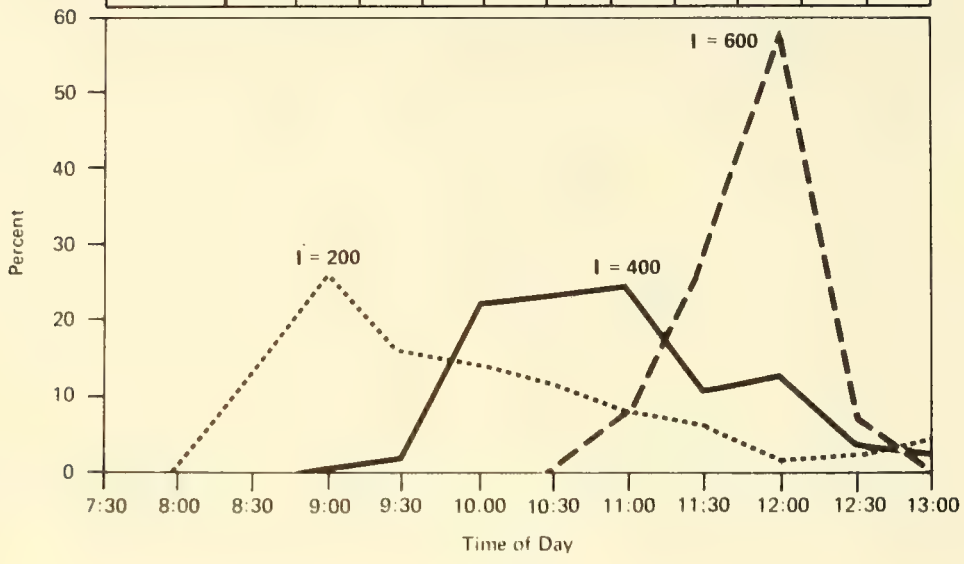


FIGURE 1.32 TIME OF DAY AT WHICH SPECIFIED INTENSITY FIRST REACHED AT DES MOINES

Time of Day

Intensity	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00
200	0.0	16.7	13.6	16.3	14.0	11.3	8.1	7.7	2.7	4.1	5.4
400	0.0	0.0	0.0	0.0	30.8	19.2	16.9	15.4	7.7	4.6	5.4
600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	34.1	15.9	9.1

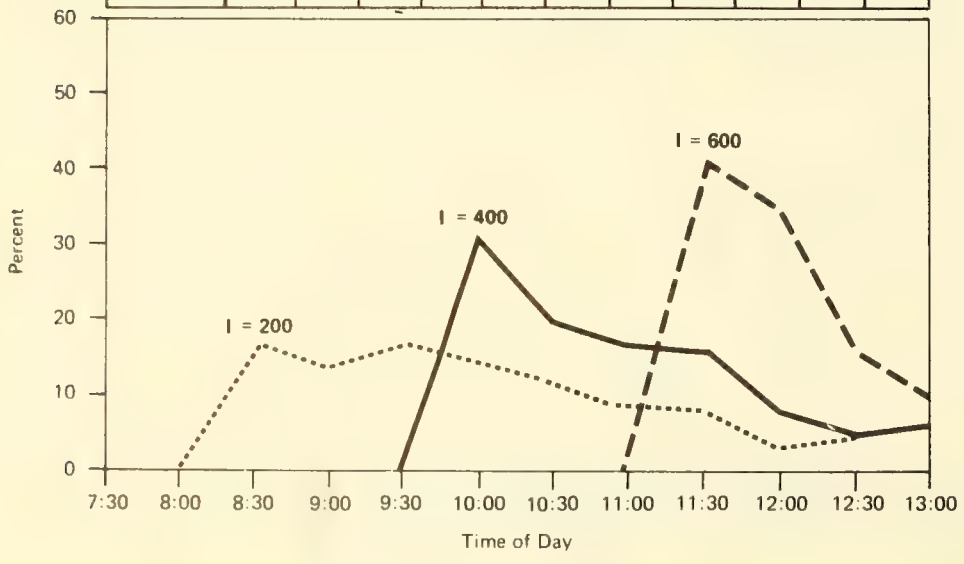


FIGURE 1.33 TIME OF DAY AT WHICH SPECIFIED INTENSITY FIRST REACHED AT MINNEAPOLIS

Time of Day

Intensity	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00
200	0.0	11.2	14.8	25.0	13.3	7.7	8.7	4.1	7.7	2.0	5.6
400	0.0	0.0	0.0	0.0	18.9	25.2	18.9	16.2	10.8	3.6	6.3
600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.4	55.6	0.0

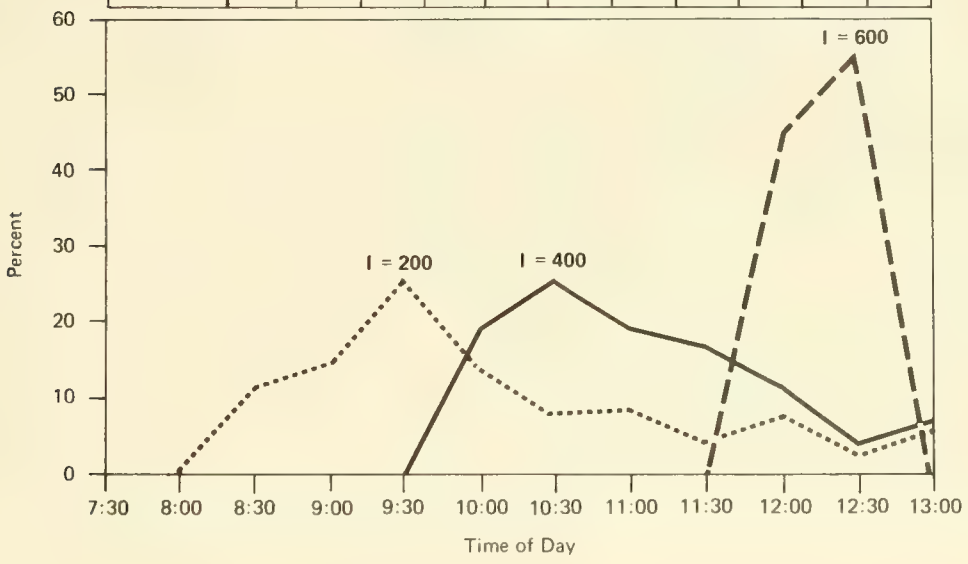
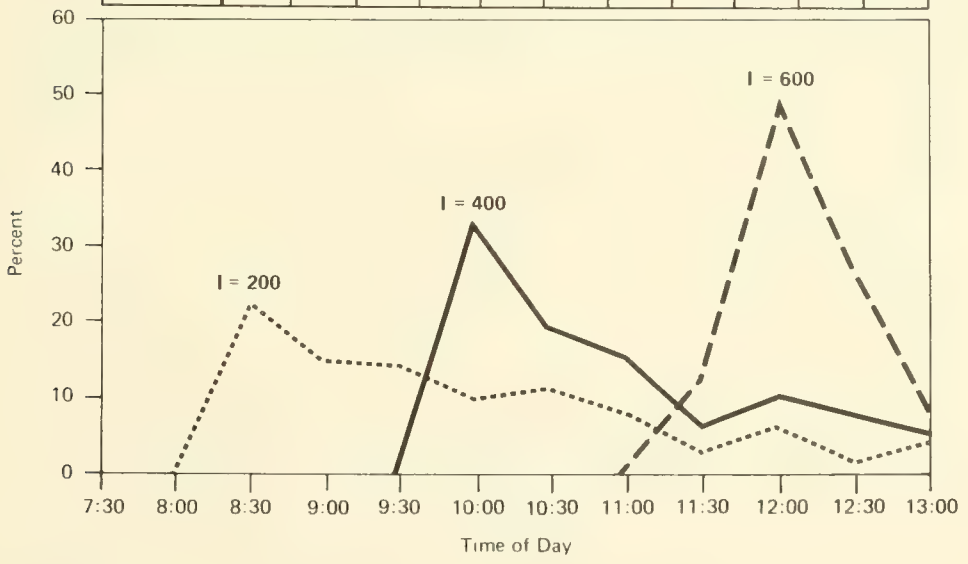


FIGURE 1.34 TIME OF DAY AT WHICH SPECIFIED INTENSITY FIRST REACHED AT BISMARCK

Time of Day

Intensity	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00
200	0.0	22.9	15.6	14.1	10.4	11.5	8.9	3 1	6 3	2 6	4 7
400	0.0	0.0	0.0	0.0	33.1	19.5	16.1	6.8	10.2	8.5	5.9
600	0 0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	50 0	27.3	9 1



SECTION 2

TABLES AND FIGURES

FIGURE 2.1 ANNUAL UV COUNT BY LATITUDE

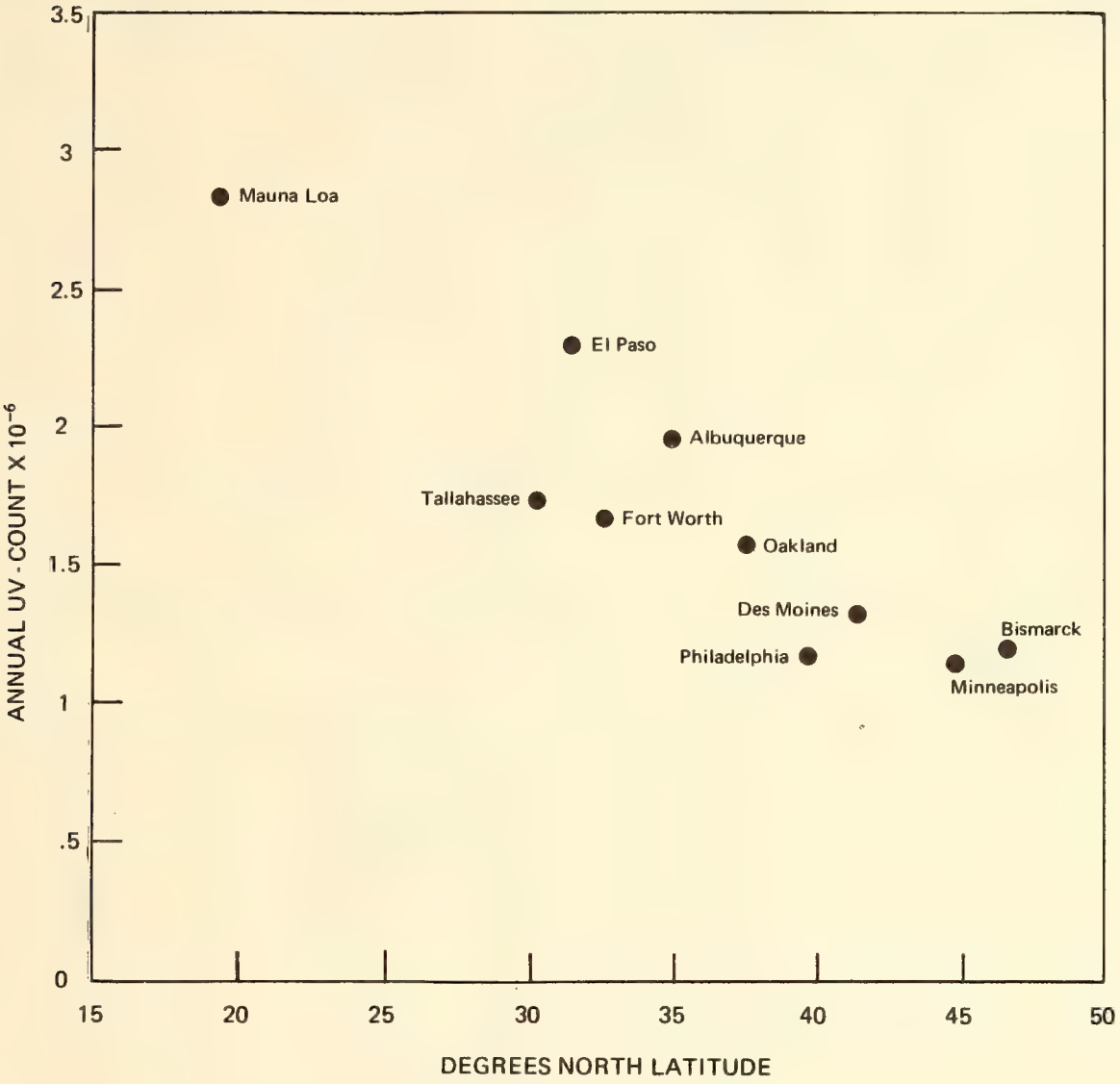


TABLE 2.1 ANNUAL UV COUNT WITH ASSOCIATED LOCATION DATA

Station	Latitude*	Altitude (ft.)*	Total Adjusted Annual UV Count	Average Daily Sky Cover in Tenths* (Sunrise to Sunset)
Mauna Loa	19.5°	13,681	2,770,023	NA
Tallahassee	30.4°	55	1,660,833	5.67
El Paso	31.8°	3,918	2,237,306	3.96
Fort Worth	32.8°	537	1,605,936	5.23
Albuquerque	35.1°	5,311	1,890,313	4.57
Oakland	37.7°	6	1,508,568	4.54
Philadelphia	39.9°	5	1,110,784	6.28
Des Moines	41.5°	938	1,251,567	6.05
Minneapolis	44.9°	834	1,065,035	6.37
Bismarck	46.8°	1,647	1,127,193	6.25

*Local Climatological Data, U. S. Department of Commerce, National Oceanic and Atmospheric Administration

TABLE 2.2 ENVIRONMENTAL VARIABLES

	NINE STATIONS			TEN STATIONS		
	MEAN	SD	RANGE	MEAN	SD	RANGE
UV COUNT	1495281.7	399110.7	1065035 to 2237306	1622755.8	551440.9	1065035 to 2770023
LATITUDE	37.9	5.8	30.4 to 46.8	36.0	8.0	19.5 to 46.8
ALTITUDE	1472.3	1891.7	5 to 5311	2693.2	4252.8	5 to 13681
SKY COVER	5.4	.9	4.0 to 6.3	na	na	na

TABLE 2.3 CORRELATIONS AMONG ENVIRONMENTAL VARIABLES FOR 10 STATIONS (BELOW DIAGONAL LINE) AND FOR THE 9 CONTINENTAL STATIONS (ABOVE DIAGONAL LINE)

	UV COUNT	LATITUDE	ALTITUDE	SKY COVER
UV COUNT	1.00	−.83	.64	−.91
LATITUDE	−.92	1.00	−.20	.68
ALTITUDE	.85	−.72	1.00	−.57
SKY COVER	n.a.	n.a.	n.a.	1.00

TABLE 2.4 SUMMARY OF REGRESSION ANALYSIS OF ANNUAL UV COUNT ON THREE ENVIRONMENTAL VARIABLES FOR THE NINE CONTINENTAL STATIONS

RADIATION MEASURE	ENVIRONMENTAL VARIABLES	COEFFICIENT ± SD	R^2
COUNT	LATITUDE	−56492.6 ± 14593.0	.68
COUNT	LATITUDE	−49613.9 ± 8261.8	.92
	ALTITUDE	+ 104.3 ± 25.5	
COUNT	LATITUDE	−26272.7 ± 11651.1	.91
	SKY COVER	−288786. ± 75851.8	
COUNT	LATITUDE	−33835.7 ± 7842.1	.97
	ALTITUDE	+ 67.0 ±21.6	
	SKY COVER	−174299. ± 60937.8	

SECTION 3

TABLES AND FIGURES

TABLE 3.1 SUMMARY OF AVAILABLE NCI DATA FOR UV COUNTS AND SKIN CANCER INCIDENCE* AMONG WHITES

Area	Latitude (degrees northern)	Annual UV Count x 10^{-6}	Non-Melanoma Incidence**						Melanoma Incidence†	
			Basal Cell Only		Squamous Cell Only		All Cell Types			
			Male	Female	Male	Female	Male	Female	Male	Female
Mauna Loa, Hawaii	19.5	2.77								
Tallahassee, Florida	30.4	1.66								
El Paso, Texas	31.8	2.24								
Fort Worth, Texas	32.8	1.61	394	205	124	51	539	259	8.24	7.30
Birmingham, Alabama	33.4								6.02	4.88
Atlanta, Georgia	33.8								6.28	6.41
Albuquerque, New Mexico	35.1	1.89								
Oakland, California	37.7	1.51	198	117	45	15	250	133	5.46	5.62
Colorado	39.7								5.43	5.16
Philadelphia, Pennsylvania	39.9	1.11								
Pittsburgh, Pennsylvania	40.4								3.08	2.96
Des Moines, Iowa	41.5	1.25	123	69	47	13	174	83	3.64	2.93
Detroit, Michigan	42.3								3.06	3.27
Minneapolis, Minnesota	44.9	1.07	165	103	35	12	201	115	3.76	3.43
Bismarck, North Dakota	46.8	1.13								

* Age - Adjusted (1970, U.S.) Rates Per 100,000 Population Per Year.

** "Non-Melanoma Skin Cancer Among Caucasions in Four Areas of the United States," Scotto, Kopf, and Urbach, CANCER, Vol. 34, No. 4, October, 1974.

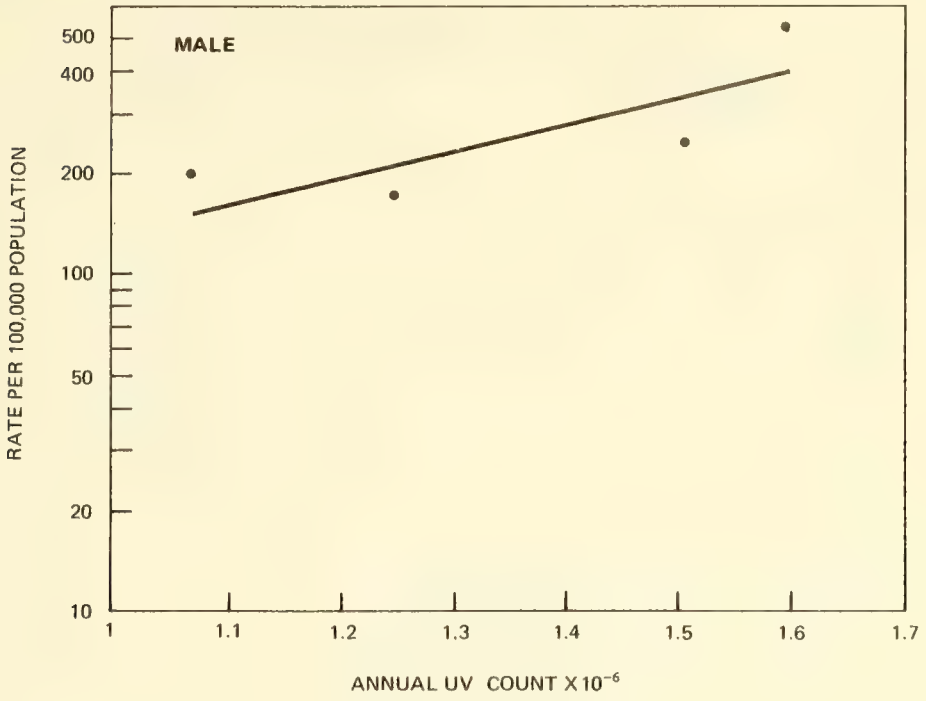
† "Third National Cancer Survey: Incidence Data", Cutler, S.J. and Young, J.L., JNCI Monograph No. 41

TABLE 3.2 SUMMARY OF REGRESSION PARAMETERS

$$Y = A + BX$$

Y	X	$\hat{A}$	$\hat{B}$	Standard Error of $\hat{B}$	Correlation Coefficient
Log_e (Non-Melanoma Incidence, Male)	UV Count $\times 10^{-6}$	3.3506	1.6337	0.9068	0.7866
Log_e (Non-Melanoma Incidence, Female)	UV Count $\times 10^{-6}$	2.9458	1.4416	0.9538	0.7302
Log_e (Basal Incidence, Male)	UV Count $\times 10^{-6}$	3.2129	1.5342	0.9500	0.7523
Log_e (Basal Incidence, Female)	UV Count $\times 10^{-6}$	2.9718	1.3014	0.9360	0.7011
Log_e (Squamous Incidence, Male)	UV Count $\times 10^{-6}$	1.5948	1.7778	1.0286	0.7739
Log_e (Squamous Incidence, Female)	UV Count $\times 10^{-6}$	0.0245	2.1348	1.2835	0.7618
Log_e (Melanoma Incidence, Male)	UV Count $\times 10^{-6}$	−0.3244	1.4218	0.4849	0.9007
Log_e (Melanoma Incidence, Female)	UV Count $\times 10^{-6}$	−0.6154	1.5623	0.5611	0.8916
Log_e (Melanoma Incidence, Male)	Latitude	4.1976	−0.0687	0.0157	−0.8553
Log_e (Melanoma Incidence, Female)	Latitude	3.9956	−0.0652	0.0173	−0.8177
Log_e (Melanoma Mortality, Male)	Latitude	1.7297	−0.0341	0.0040	−0.7764
Log_e (Melanoma Mortality, Female)	Latitude	1.1718	−0.0278	0.0047	−0.6551

FIGURE 3.1 ANNUAL AGE-ADJUSTED (1970 US) INCIDENCE RATES FOR NON-MELANOMA SKIN CANCER AMONG WHITES, ACCORDING TO ANNUAL UV COUNT, FOR FOUR TNCS AREAS



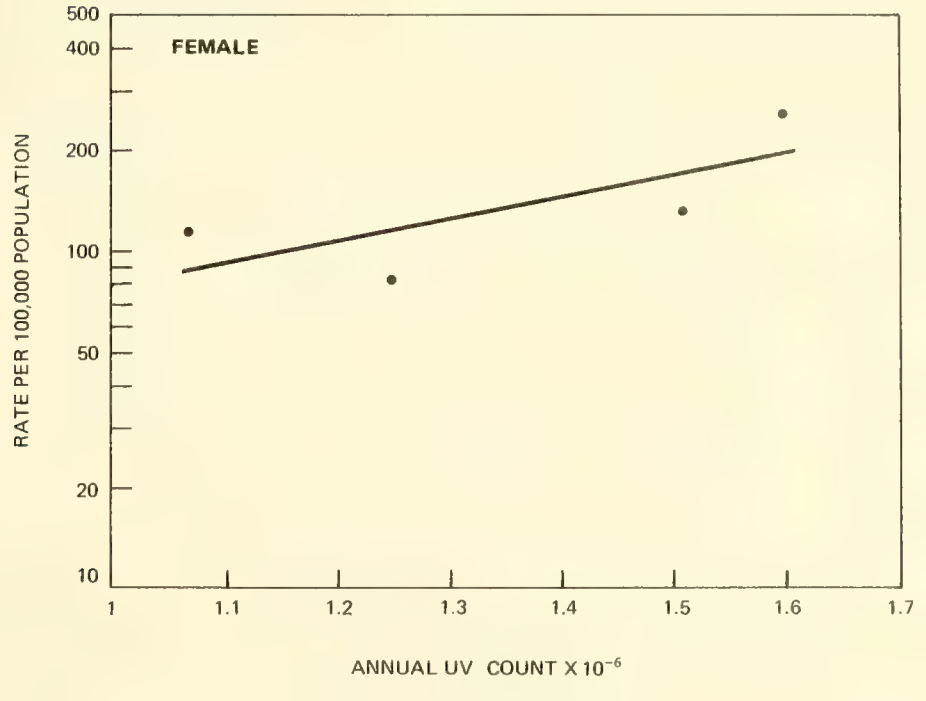
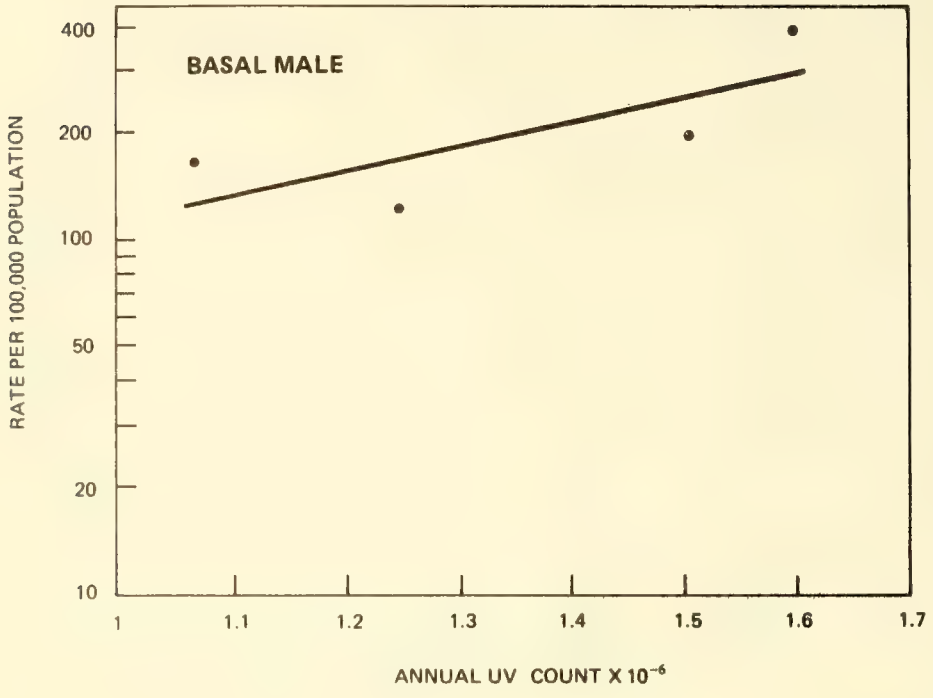


FIGURE 3.2 ANNUAL AGE-ADJUSTED (1970 US) INCIDENCE RATES FOR BASAL CELL SKIN CANCER AMONG WHITES, ACCORDING TO ANNUAL UV COUNT, FOR FOUR TNCS AREAS



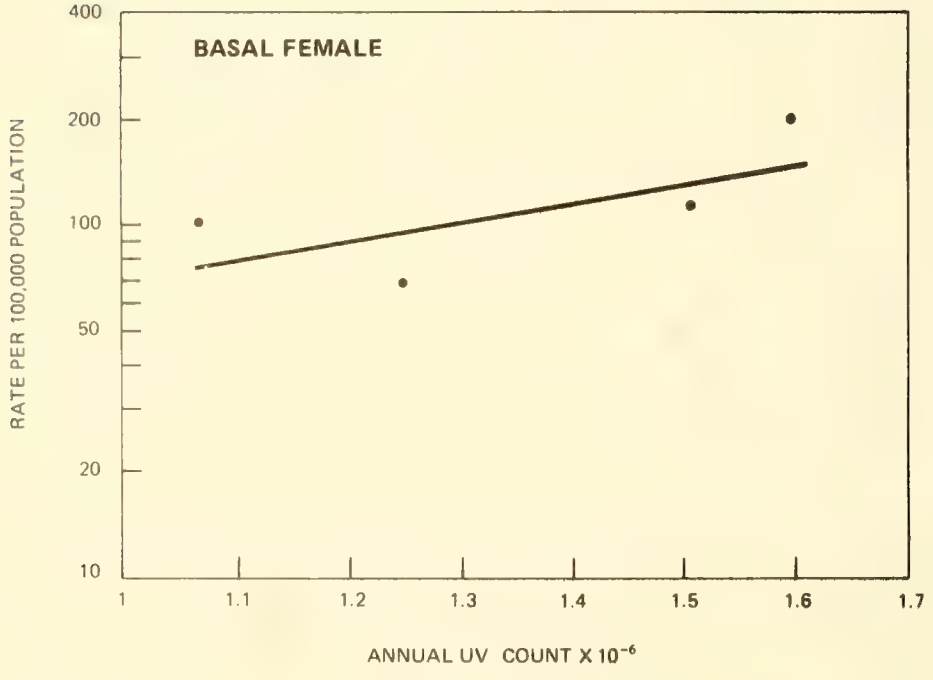
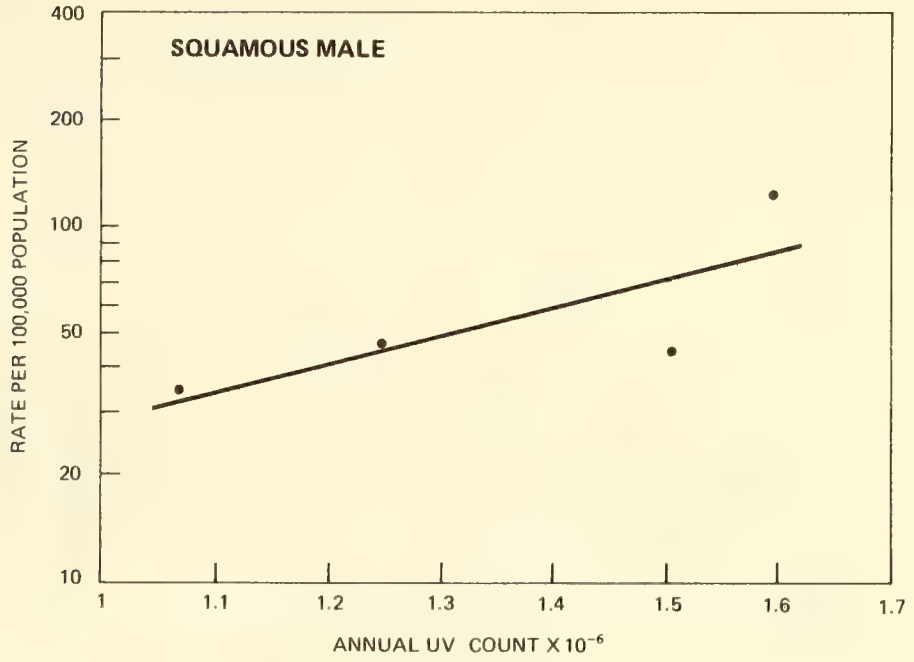


FIGURE 3.3 ANNUAL AGE-ADJUSTED (1970 US) INCIDENCE RATES FOR SQUAMOUS CELL SKIN CANCER AMONG WHITES, ACCORDING TO ANNUAL UV COUNT, FOR FOUR TNCS AREAS



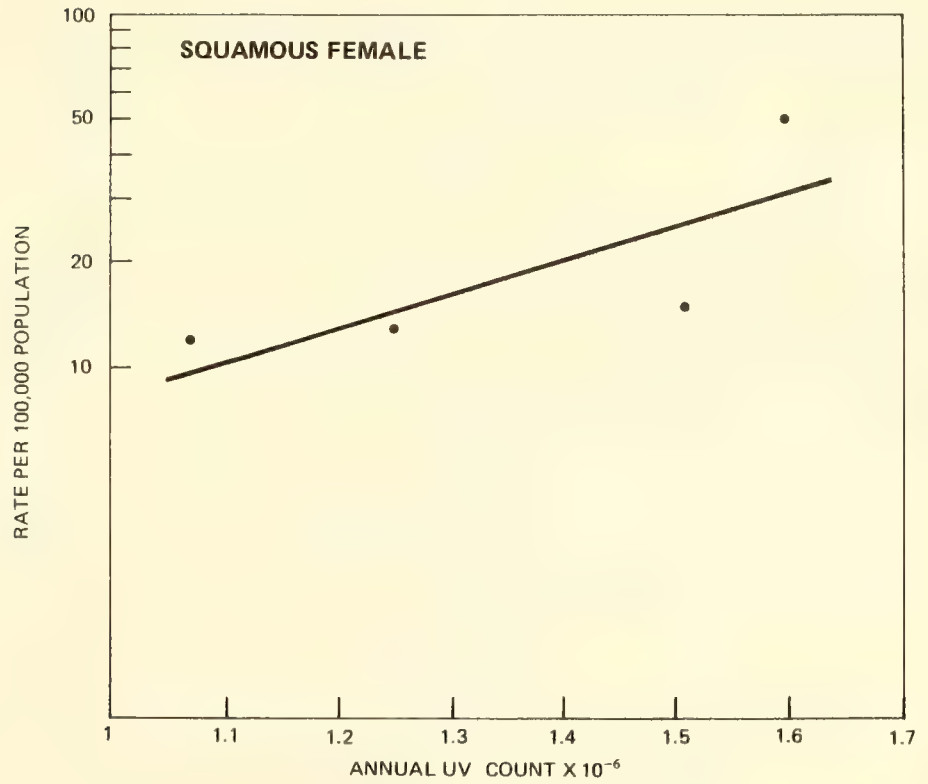
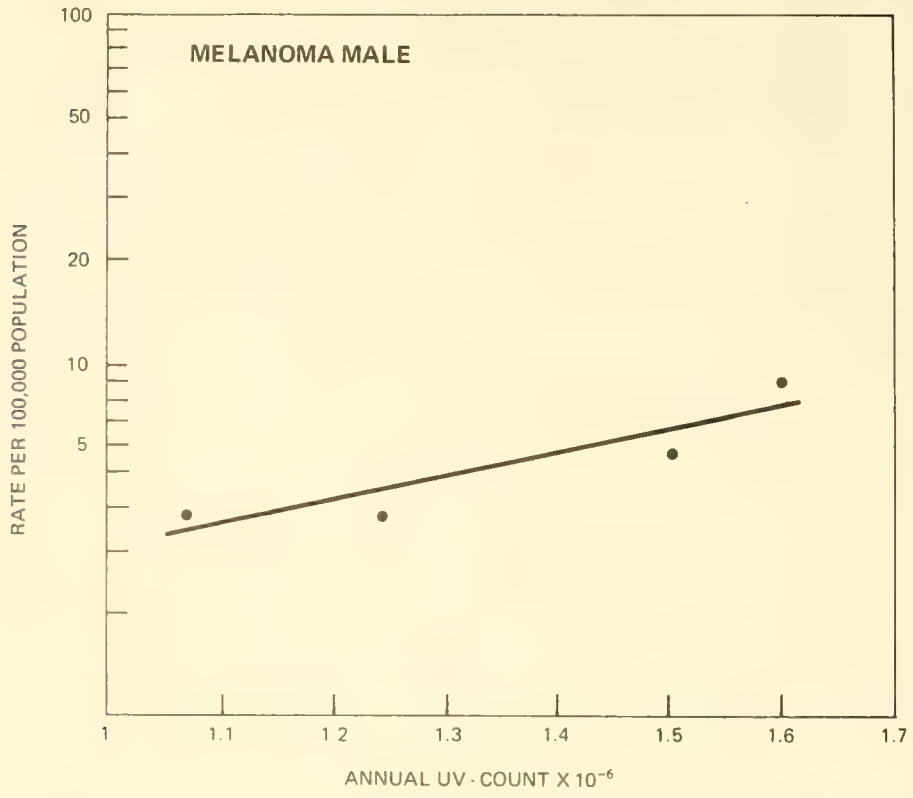


FIGURE 3.4 ANNUAL AGE-ADJUSTED (1970 US) INCIDENCE RATES FOR MELANOMA CANCER AMONG WHITES, ACCORDING TO ANNUAL UV COUNT, FOR FOUR TNCS AREAS



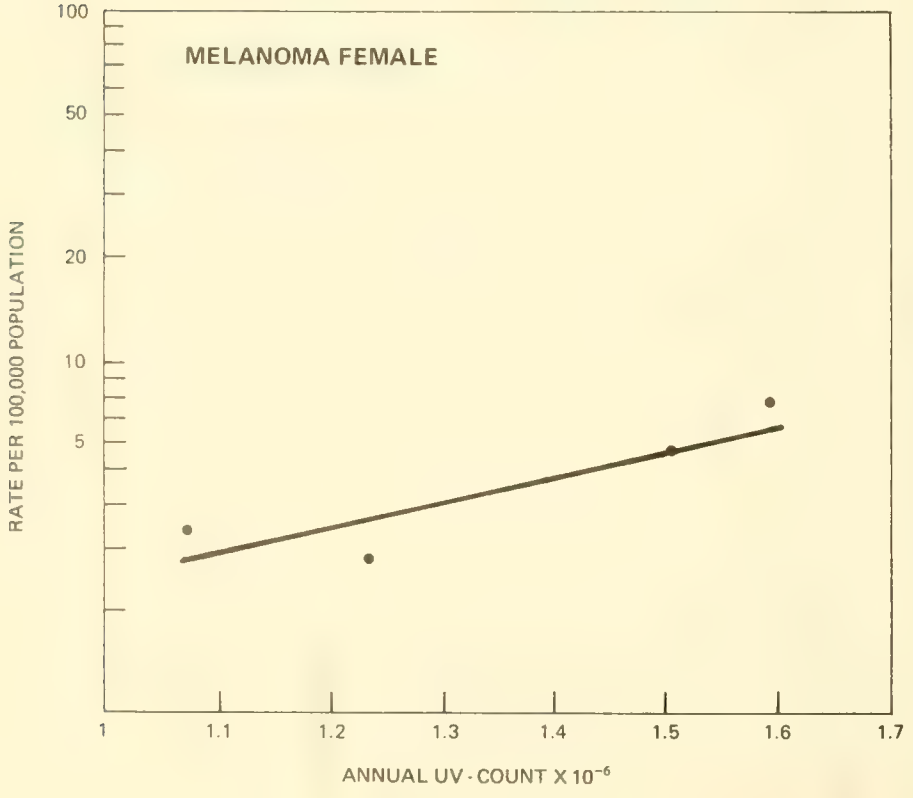


FIGURE 3.5 ANNUAL AGE-ADJUSTED (1970 U.S.) SKIN MELANOMA INCIDENCE BY LATITUDE, WHITE FEMALES

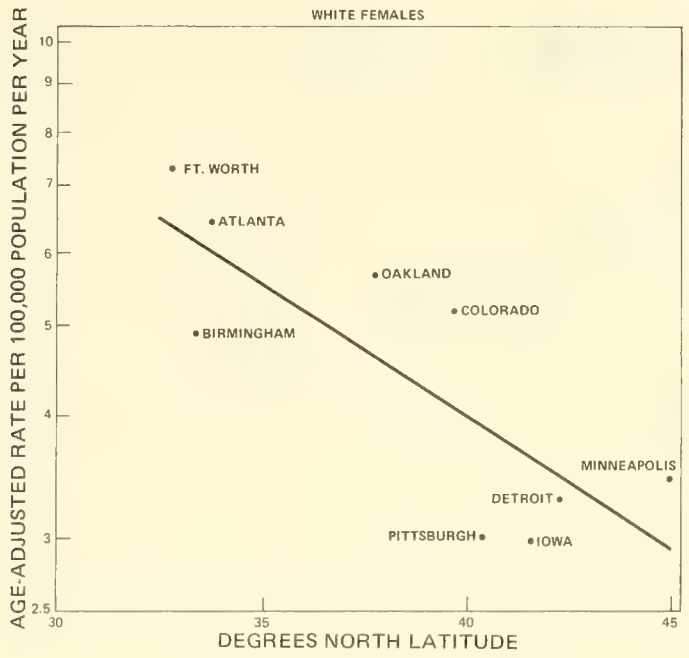


FIGURE 3.6 ANNUAL AGE-ADJUSTED (1970 U.S.) SKIN MELANOMA INCIDENCE BY LATITUDE, WHITE MALES

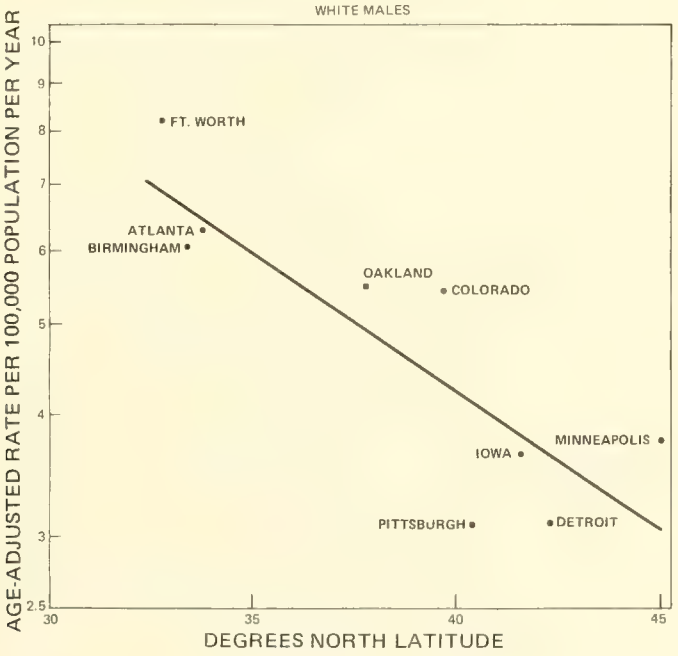


FIGURE 3.7 ANNUAL AGE-ADJUSTED (1960 US) SKIN MELANOMA MORTALITY BY LATITUDE FOR THE CONTIGUOUS UNITED STATES

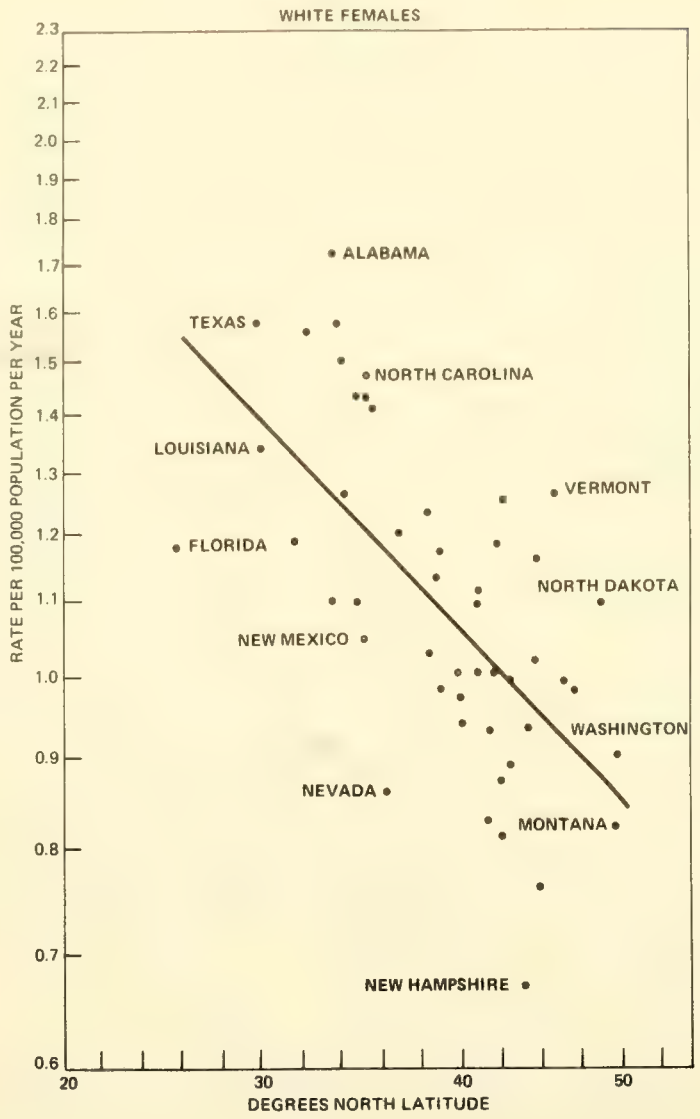


FIGURE 3.8 ANNUAL AGE-ADJUSTED (1960 US) SKIN MELANOMA MORTALITY BY LATITUDE FOR THE CONTIGUOUS UNITED STATES

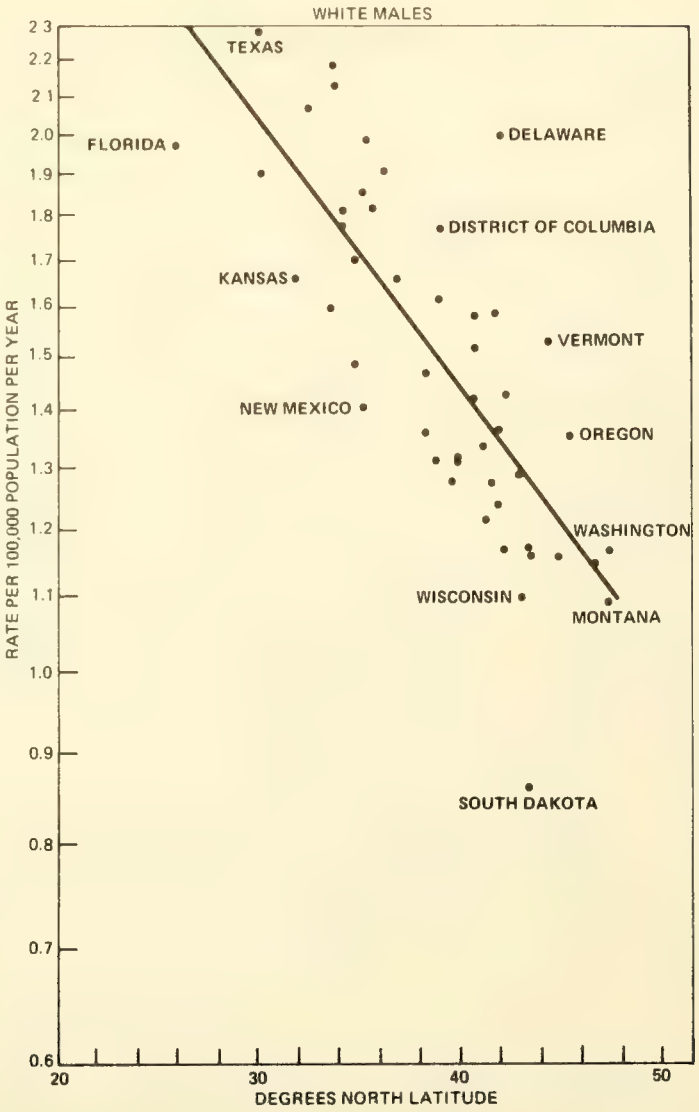


TABLE 3.3 ANNUAL AGE-SPECIFIC INCIDENCE RATES (per 100,000 population) FOR NON-MELANOMA SKIN CANCER AMONG WHITES IN FOUR AREAS OF THE UNITED STATES

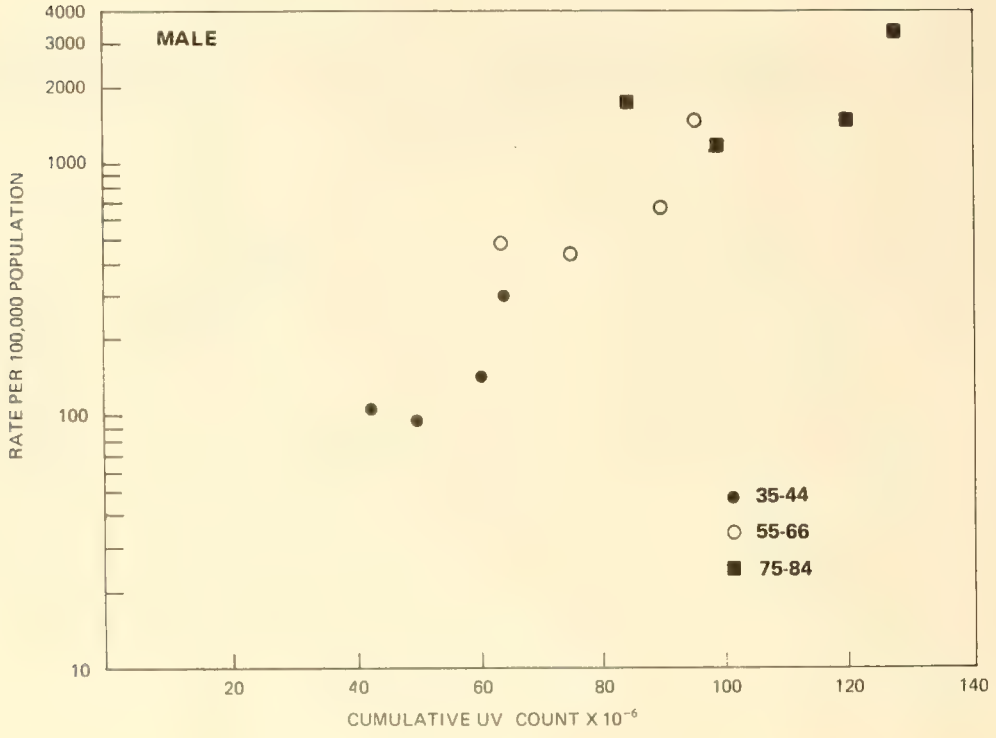
Age Group	Dallas-Ft. Worth		Iowa		Minneapolis-St. Paul		San Francisco-Oakland	
	Male	Female	Male	Female	Male	Female	Male	Female
35-44	297.8	196.1	94.8	38.9	104.7	62.4	140.3	87.6
45-54	760.5	396.9	207.1	107.7	218.2	154.3	343.5	233.5
55-64	1516.2	624.1	436.5	177.0	481.8	282.7	683.5	382.6
65-74	2469.9	1108.5	844.5	374.0	882.5	475.1	1156.0	438.0
75-84	3316.4	1558.2	1182.2	634.6	1735.7	826.2	1492.3	792.1

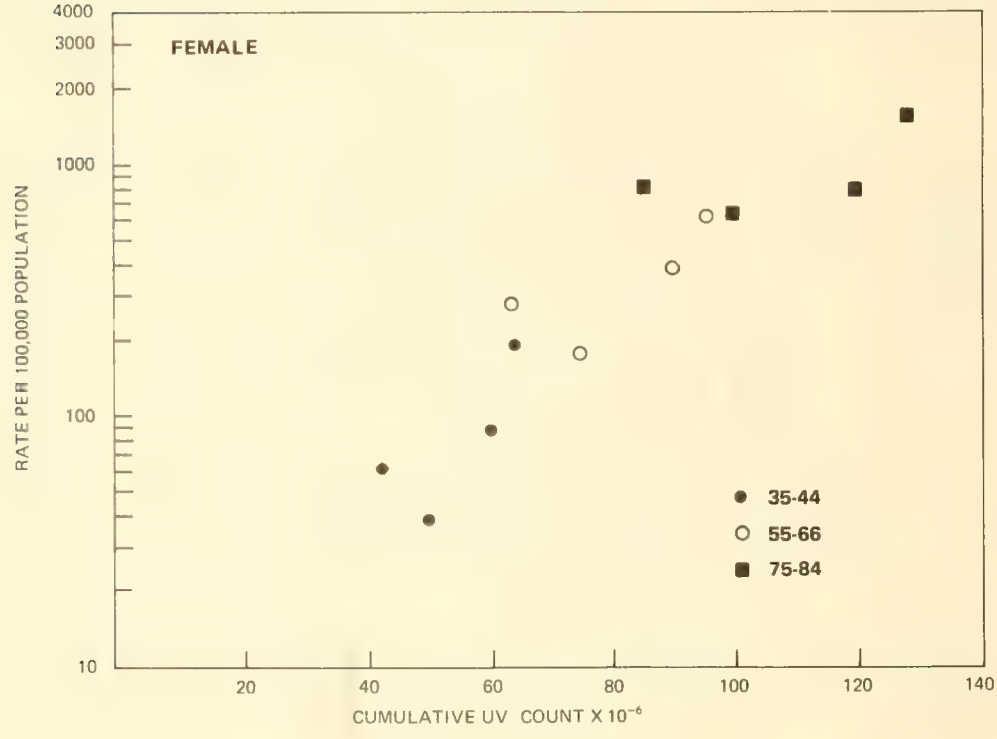
TABLE 3.4 SUMMARY OF REGRESSION ANALYSES OF CUMULATIVE UV COUNT ON AGE SPECIFIC NON-MELANOMA SKIN CANCER INCIDENCE RATES

MODEL: $\text{Log}_e R_j = \mu_j + \beta D + \epsilon_j$

AGE GROUP	MID-POINT	NON-MELANOMA MALE		NON-MELANOMA FEMALE	
		$\hat{\mu}$ ± S.D.	$\hat{\beta} \times 10^7$ S.D.$\times 10^7$	$\hat{\mu}$ ± S.D.	$\hat{\beta} \times 10^7$ S.D.$\times 10^7$
35-44	40	3.574 ± .391	.255 ± .063	3.131 ± .444	.231 ± .072
45-54	50	4.064 ± .468	.255 ± .063	3.719 ± .532	.231 ± .072
55-64	60	4.445 ± .548	.255 ± .063	3.917 ± .623	.231 ± .072
65-74	70	4.669 ± .629	.255 ± .063	4.097 ± .715	.231 ± .072
75-84	80	4.713 ± .712	.255 ± .063	4.287 ± .809	.231 ± .072

FIGURE 3.9 AGE-SPECIFIC INCIDENCE RATES FOR NON-MELANOMA OF THE SKIN IN WHITES FOR AGE GROUPS 35-44, 55-64, AND 75-84, ACCORDING TO CUMULATIVE MAXIMUM UV COUNT IN FOUR TNCS AREAS





APPENDIX

MAUNA LOA

TABLE A.1 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN JANUARY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
02:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	3	3	3	2	2	3	3	3	3	2	2	2	2	2	2	3	2	2	3	2	2	2	2	2	2	2	3	3	1	3	3
07:30	16	16	17	9	15	14	12	13	13	12	12	12	11	13	10	16	17	17	16	16	15	15	12	10	13	14	14	13	2	14	14
08:00	48	48	48	18	45	43	30	39	39	30	29	33	38	40	25	49	49	51	49	49	47	45	34	29	41	41	43	47	12	44	44
08:30	102	103	104	55	76	83	55	70	96	81	58	62	91	84	73	104	110	112	106	105	106	96	83	73	89	94	93	95	44	96	96
09:00	174	175	182	117	104	141	104	152	179	133	73	126	141	186	102	181	192	196	189	186	191	167	146	131	160	172	159	104	103	170	171
09:30	249	259	267	219	145	231	147	235	261	130	159	253	218	275	173	271	284	292	287	276	280	251	231	214	243	260	247	162	176	257	252
10:00	315	345	338	235	189	311	223	319	303	168	257	324	301	331	324	368	379	381	386	374	371	340	317	273	334	343	342	249	261	348	351
10:30	409	423	419	296	399	360	117	397	306	197	381	398	367	401	424	456	468	456	474	465	459	422	379	289	384	427	403	268	350	439	451
11:00	487	488	480	348	434	438	260	464	374	231	427	395	421	436	521	531	557	554	551	541	537	499	435	320	458	466	266	435	369	468	507
11:30	539	533	456	402	487	495	450	512	431	252	487	509	391	559	577	586	467	503	605	599	594	559	505	428	509	377	181	263	269	239	431
12:00	421	549	299	379	547	532	483	559	394	399	534	543	524	585	620	618	250	358	636	485	579	590	476	445	574	290	364	181	137	277	273
12:30	198	551	410	264	540	504	434	506	434	575	545	546	485	594	646	630	347	314	643	370	489	593	438	525	494	370	396	147	141	287	251
13:00	118	526	442	267	428	499	368	536	444	559	522	520	507	567	558	612	258	241	618	276	370	573	456	536	448	581	145	189	160	207	305
13:30	110	471	369	378	401	466	393	463	412	544	442	469	492	521	360	564	210	110	556	394	361	529	444	371	463	165	100	95	180	221	277
14:00	159	418	271	399	360	384	365	400	355	386	370	414	427	435	267	497	188	62	512	419	78	464	404	297	318	104	147	93	58	78	88
14:30	94	285	204	344	310	308	318	323	268	385	293	326	345	246	258	409	223	139	423	222	64	390	294	111	242	68	181	21	38	212	61
15:00	191	242	147	198	225	210	230	240	184	280	187	202	264	161	136	310	200	64	315	107	79	297	241	83	203	34	108	114	95	185	132
15:30	166	169	78	136	158	117	100	162	142	158	146	168	163	103	136	215	80	47	186	150	62	201	183	77	199	32	54	123	101	214	74
16:00	98	68	34	82	97	67	50	95	67	116	78	100	81	95	119	132	46	46	128	131	52	130	101	91	131	34	32	112	61	108	79
16:30	31	30	24	37	46	32	31	47	36	55	43	51	39	54	54	67	13	29	54	65	17	68	50	21	56	37	13	87	8	50	48
17:00	7	7	8	11	17	11	13	17	12	21	17	19	13	17	23	27	6	14	26	30	12	27	20	12	15	16	14	52	19	18	26
17:30	2	0	2	2	3	2	3	3	2	4	4	4	3	3	5	6	1	3	6	5	5	7	5	5	5	4	3	20	13	5	7
18:00	0	1	0	0	0	0	0	1	1	0	0	1	1	0	1	1	1	1	1	0	0	1	1	0	1	0	2	3	1	2	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.2 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN FEBRUARY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	1	0
07:00	3	3	4	3	3	3	4	3	3	3	4	3	3	4	4	5	5	5	6	5	6	6	6	70	7	7	7	6
07:30	15	15	17	17	17	15	18	15	13	18	18	15	17	20	22	24	24	25	26	26	25	25	25	26	27	28	30	26
08:00	48	48	52	51	50	50	54	52	47	49	51	38	50	57	59	67	64	67	74	72	71	66	70	71	71	73	81	73
08:30	108	102	113	108	109	111	120	101	103	103	107	78	111	124	125	140	132	135	150	151	147	134	122	144	140	143	162	161
09:00	188	179	194	187	186	197	203	169	182	177	184	134	179	212	214	228	223	225	245	247	244	222	182	240	229	234	259	255
09:30	278	269	286	277	276	300	294	267	248	265	271	242	271	312	324	337	326	328	355	347	350	323	271	346	332	340	363	355
10:00	376	365	388	372	228	327	388	361	295	364	364	344	384	409	433	442	429	430	481	453	449	427	338	453	438	438	469	457
10:30	461	449	407	384	294	325	480	464	332	468	428	409	432	500	523	540	530	527	534	552	544	526	508	552	538	548	570	565
11:00	371	526	300	341	268	327	515	548	518	571	539	487	436	582	611	627	621	617	641	640	630	619	654	642	626	647	662	654
11:30	222	289	362	269	203	459	572	478	586	619	609	523	418	646	674	690	691	682	705	705	693	699	729	709	692	723	683	721
12:00	192	236	393	271	254	390	677	603	446	567	645	544	440	685	714	729	736	718	739	744	736	746	820	757	733	772	731	762
12:30	187	116	585	117	233	202	636	542	473	629	645	636	547	699	723	736	749	727	756	747	741	803	361	779	751	796	775	781
13:00	263	38	358	46	180	38	446	482	566	595	628	604	597	681	704	718	733	709	684	647	559	548	486	643	734	769	762	772
13:30	198	104	468	105	196	60	328	554	545	508	580	571	548	631	658	669	686	659	530	374	669	348	512	522	690	733	718	576
14:00	185	64	321	261	204	386	235	536	475	507	510	391	382	509	585	597	608	586	357	164	303	480	285	500	619	621	481	574
14:30	201	77	214	373	114	136	312	300	309	425	422	306	360	344	496	504	513	492	292	82	248	423	376	299	522	485	441	410
15:00	246	162	143	144	63	42	239	215	232	329	321	258	264	360	390	395	405	382	239	54	201	273	171	248	414	369	296	230
15:30	131	122	73	216	55	17	199	220	224	233	234	157	231	268	282	286	295	275	110	35	170	302	47	225	302	303	204	212
16:00	76	100	80	130	11	9	50	151	150	150	150	136	164	175	184	187	194	179	111	16	146	202	57	140	202	204	114	96
16:30	47	56	45	73	8	20	39	85	84	76	85	72	94	100	103	105	109	102	103	11	91	87	89	106	116	115	74	62
17:00	16	28	17	21	4	14	28	35	37	35	37	38	41	44	47	47	49	46	50	5	44	41	49	48	55	55	41	29
17:30	6	8	5	3	2	9	10	11	12	11	12	11	14	15	14	15	16	15	16	2	15	16	11	16	18	18	14	10
18:00	1	1	1	1	0	1	1	1	1	1	2	2	2	2	3	3	2	3	3	0	2	3	1	3	3	4	2	2
18:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
19:00	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
19:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	2	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.3 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN MARCH

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	0	1	0	0	0	0	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0
07:00	1	0	1	0	1	1	1	2	1	2	1	0	2	2	0	3	2	2	2	1	3	3	3	3	4	3	5	7	7		
07:30	7	8	7	7	7	9	10	11	10	11	13	12	2	10	10	2	16	4	15	18	8	13	18	20	17	20	21	21	24	28	29
08:00	29	29	28	20	28	30	36	37	40	45	46	36	8	30	33	14	53	13	52	62	21	48	57	65	57	62	64	66	75	81	76
08:30	79	76	79	54	60	71	85	89	100	101	113	90	25	70	89	49	111	17	120	133	96	123	128	141	135	144	144	168	166	173	159
09:00	159	150	159	125	107	121	160	169	195	180	204	193	81	114	174	320	197	27	216	220	158	226	234	253	239	258	259	291	283	286	265
09:30	256	239	256	218	170	183	256	269	308	232	321	317	119	162	267	319	245	36	326	279	303	344	355	383	357	390	386	410	410	409	383
10:00	359	343	366	343	267	268	361	378	413	432	442	443	102	254	429	441	308	59	450	473	435	482	482	513	484	535	518	541	531	537	508
10:30	462	449	467	375	414	382	466	491	524	524	556	530	245	771	205	564	358	89	577	596	205	622	606	639	613	667	647	663	656	659	630
11:00	560	552	568	431	470	457	569	601	601	516	664	580	373	476	769	681	578	115	714	725	345	731	718	756	727	787	765	777	761	770	740
11:30	651	640	469	549	412	481	659	699	665	485	752	584	258	385	589	780	728	219	884	578	747	822	812	837	491	757	862	863	849	856	833
12:00	721	716	275	439	544	513	727	776	727	783	322	693	275	292	927	854	816	374	977	567	794	889	877	936	596	922	940	928	916	919	908
12:30	687	704	397	274	444	614	764	816	707	846	864	807	215	251	467	890	110	438	997	622	784	929	927	990	921	970	985	971	958	952	946
13:00	303	314	192	125	373	594	773	823	734	846	469	679	249	249	332	894	69	5671040		283	759	911	9081021		926	9811002		973	957	965	955
13:30	359	505	115	129	358	546	757	781	775	835	806	702	220	145	349	867	66	523	800	266	818	912	797	865	893	912	602	935	918	940	924
14:00	333	530	232	153	489	544	710	791	739	695	765	844	188	286	67	807	69	581	241	532	592	876	686	801	830	728	457	868	845	872	855
14:30	284	217	534	118	515	464	632	608	666	627	701	666	206	453	23	719	35	384	250	245	592	689	511	784	739	798	448	767	748	772	757
15:00	160	111	539	90	477	437	533	292	596	510	573	519	149	400	5	603	16	300	186	449	546	653	363	658	626	634	422	648	630	647	637
15:30	99	227	200	193	304	335	416	263	466	374	456	320	170	210	0	473	12	207	211	303	432	503	254	507	498	470	172	516	501	508	506
16:00	149	160	213	186	217	219	302	166	246	354	336	217	115	135	0	343	3	51	282	201	318	362	166	338	354	396	223	378	368	370	375
16:30	98	98	126	154	133	135	199	130	215	220	224	125	87	87	0	232	1	22	235	96	216	246	118	228	241	272	261	255	249	252	255
17:00	49	30	59	77	68	73	115	94	136	114	130	92	45	38	0	136	0	16	48	60	129	151	82	127	144	164	158	153	149	154	153
17:30	41	15	27	38	39	39	54	42	64	59	63	32	33	12	0	66	0	9	30	39	57	73	49	67	74	80	79	78	73	77	76
18:00	14	5	10	12	10	16	19	14	22	23	23	11	13	2	0	24	0	2	7	12	22	26	13	30	27	30	30	30	28	30	29
18:30	3	2	2	2	2	3	3	3	4	4	4	3	3	0	0	4	0	1	2	2	6	6	3	7	6	7	7	6	6	6	4
19:00	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0
22:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.4 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN APRIL

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1	1	1
07:00	6	7	7	8	8	7	8	8	9	9	9	9	9	9	11	7	11	9	9	12	12	9	9	9	9	9	9	9	9	9
07:30	30	30	30	31	32	32	29	30	33	33	33	33	33	33	36	36	36	34	33	43	39	33	33	33	33	33	33	33	33	33
08:00	80	78	83	81	82	83	74	78	84	84	84	84	84	84	85	78	85	89	81	99	101	84	84	84	84	84	84	84	84	84
08:30	168	157	169	160	162	169	167	157	155	155	155	155	155	155	163	135	161	174	106	184	92	155	155	155	155	155	155	155	155	155
09:00	290	262	278	266	268	293	257	269	262	262	262	262	262	262	264	197	260	287	138	284	310	262	262	262	262	262	262	262	262	262
09:30	392	383	399	387	388	377	387	388	379	379	379	379	379	379	385	353	381	402	214	417	426	379	379	379	379	379	379	379	379	379
10:00	529	511	524	515	516	449	509	488	468	468	468	468	468	468	514	332	508	399	187	576	468	468	468	468	468	468	468	468	468	468
10:30	651	640	648	641	650	534	637	623	565	565	565	565	565	565	636	616	634	197	273	529	565	565	565	565	565	565	565	565	565	565
11:00	765	756	760	755	773	656	70	647	566	566	566	566	566	566	739	544	710	169	444	302	566	566	566	566	566	566	566	566	566	407
11:30	851	850	852	848	855	755	842	519	704	704	704	704	704	704	821	812	721	225	315	479	704	704	704	704	704	704	704	704	704	808
12:00	914	917	916	909	861	898	490	731	731	731	731	731	731	731	881	718	807	287	107	920	731	731	731	731	731	731	731	731	488	856
12:30	943	945	952	943	893	975	720	763	763	763	763	763	763	763	873	782	775	354	279	817	763	763	763	763	763	763	763	763	321	874
13:00	944	944	946	940	910	977	699	699	699	699	699	699	699	699	895	542	540	192	353	393	699	699	699	699	699	699	699	699	345	859
13:30	908	910	903	898	855	819	675	675	675	675	675	675	675	675	865	684	747	105	311	185	675	675	675	675	675	675	675	675	441	815
14:00	788	837	834	840	509	797	609	609	609	609	609	609	609	609	786	564	795	97	395	270	609	609	609	609	609	609	609	609	263	751
14:30	729	749	748	750	522	737	579	579	579	579	579	579	579	579	639	579	723	188	310	266	579	579	579	579	579	579	579	579	501	668
15:00	581	622	631	616	465	394	453	453	453	453	453	453	453	453	434	453	593	210	153	478	453	453	453	453	453	453	453	453	141	569
15:30	508	478	506	512	495	520	405	405	405	405	405	405	405	405	210	405	288	187	87	263	405	405	405	405	405	405	405	405	261	955
16:00	370	363	378	368	350	200	277	277	277	277	277	277	277	277	206	277	344	216	58	177	277	277	277	277	277	277	277	277	230	339
16:30	197	246	254	244	188	82	177	177	177	177	177	177	177	177	194	177	225	126	42	143	91	177	177	177	177	177	177	177	220	231
17:00	104	146	149	146	105	51	105	105	105	105	105	105	105	105	118	105	136	31	83	93	34	105	105	105	105	105	105	105	134	138
17:30	64	74	73	71	64	42	56	56	56	56	56	56	56	56	66	56	61	19	55	46	14	56	56	56	56	56	56	56	67	71
18:00	27	28	28	28	24	19	24	24	24	24	24	24	24	24	25	24	23	16	24	26	17	24	24	24	24	24	24	24	28	28
18:30	6	6	7	6	5	6	6	6	6	6	6	6	6	6	6	6	6	4	6	6	4	6	6	6	6	6	6	6	7	8
19:00	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.5 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN MAY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
06:00	0	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	1	0	1	0	1	0	0	1	0	0
06:30	3	3	4	4	4	4	5	4	4	4	4	3	5	1	5	5	5	5	5	6	6	5	3	5	6	5	5	6	6	7	7
07:00	15	17	17	18	19	20	19	20	20	19	16	16	22	8	22	22	24	24	22	22	23	23	14	24	25	21	17	24	25	26	24
07:30	43	49	51	53	56	57	57	50	56	56	39	52	60	22	60	59	65	61	57	62	61	55	51	63	64	51	48	65	66	68	64
08:00	92	103	113	112	116	118	118	104	116	118	69	116	126	51	122	120	129	111	116	125	125	116	124	131	132	108	105	129	130	135	128
08:30	167	186	196	198	202	207	207	198	200	212	112	206	227	105	205	208	216	130	200	209	213	182	117	227	223	183	182	215	217	225	216
09:00	273	290	295	306	309	313	319	307	308	330	291	305	335	202	313	316	319	258	306	321	325	294	221	333	328	228	269	324	324	334	323
09:30	370	405	404	426	427	431	440	416	426	431	442	418	461	126	440	437	390	327	421	434	439	324	429	447	419	375	351	440	442	455	422
10:00	460	518	515	541	545	550	557	517	548	547	550	518	594	133	577	335	450	338	538	552	541	378	551	562	531	412	450	558	556	573	563
10:30	628	622	621	647	653	658	666	657	643	642	658	651	586	90	690	682	236	409	622	668	639	519	593	663	632	521	589	668	662	682	650
11:00	711	714	714	738	742	752	759	762	746	680	754	659	434	132	578	803	126	470	719	761	725	676	672	749	717	660	598	773	752	778	484
11:30	745	789	703	798	807	823	830	841	816	700	835	743	618	153	550	548	176	646	851	840	743	688	508	816	510	517	641	868	828	858	483
12:00	839	838	441	778	848	870	872	884	863	748	842	486	337	110	562	324	186	305	806	884	713	845	744	862	428	271	684	606	828	893	457
12:30	864	857	411	852	844	893	888	911	879	667	847	410	428	120	521	509	195	274	844	939	459	902	694	867	371	69	459	805	805	818	460
13:00	855	848	497	879	724	883	876	861	873	599	801	433	411	107	692	302	160	280	853	830	471	875	729	891	739	56	476	459	771	696	314
13:30	814	812	421	722	750	764	835	862	835	487	589	570	429	131	579	301	228	180	832	805	614	782	609	811	528	146	416	500	767	662	303
14:00	744	738	295	595	447	553	765	796	766	463	422	631	363	127	687	323	111	121	604	763	628	569	607	652	301	186	368	697	673	621	339
14:30	654	590	363	575	655	432	678	706	676	413	374	517	285	123	577	429	88	165	548	720	649	392	456	611	138	281	422	550	632	623	542
15:00	550	415	257	481	310	254	576	597	571	459	397	502	174	63	387	258	128	113	519	607	530	462	409	539	77	247	389	484	461	472	246
15:30	440	235	305	357	211	160	463	480	461	357	330	340	241	54	225	295	109	82	463	438	377	317	485	443	122	134	308	399	450	348	43
16:00	330	249	278	300	217	142	347	358	348	251	311	207	67	67	210	191	166	84	346	260	300	261	333	384	90	113	248	380	330	324	19
16:30	223	115	144	235	114	156	239	243	236	180	240	86	99	42	131	71	58	38	238	221	215	171	170	269	53	72	177	266	272	199	19
17:00	134	63	72	142	105	126	146	147	146	124	144	73	67	25	97	66	40	37	147	130	146	106	104	168	71	67	134	167	157	131	20
17:30	69	44	60	69	70	72	75	76	77	71	79	37	20	7	49	62	36	23	77	80	78	54	63	90	36	52	74	87	82	82	37
18:00	28	22	27	30	29	30	31	31	32	29	32	15	18	4	18	33	16	10	33	36	32	22	28	38	19	27	32	40	40	37	16
18:30	7	8	5	8	8	8	9	9	9	6	9	5	5	1	6	7	5	3	8	11	11	8	11	12	6	8	0	13	13	13	8
19:00	2	1	1	1	1	1	1	1	2	1	2	0	0	1	1	2	0	1	1	2	1	1	2	2	2	1	1	2	3	3	1
19:30	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
22:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
24:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.6 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN JUNE

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
05:30	0	1	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1
06:00	6	6	6	6	6	6	6	7	6	6	6	5	4	4	4	6	6	6	6	6	6	5	6	5	5	5	5	5	5	5
06:30	24	25	26	27	26	23	21	26	26	25	22	24	16	18	20	27	27	25	25	25	23	22	22	23	21	21	20	22	20	23
07:00	67	66	69	69	76	55	56	65	69	64	58	73	44	52	58	71	69	68	65	66	60	57	58	61	54	61	51	58	57	64
07:30	136	134	134	142	162	108	102	130	135	128	130	122	119	127	140	138	136	134	130	133	120	115	116	123	113	121	115	118	118	128
08:00	226	223	224	232	211	187	167	218	223	219	220	224	168	202	230	231	233	228	220	221	204	197	200	208	194	205	216	201	208	223
08:30	336	328	332	340	281	310	308	324	328	328	328	318	122	348	326	344	342	340	328	332	308	300	303	312	296	305	331	306	317	322
09:00	438	448	444	418	320	418	428	441	442	444	444	447	311	470	426	465	459	462	445	448	423	412	419	425	408	418	374	424	440	425
09:30	499	563	558	551	422	375	540	556	558	556	552	561	430	533	494	586	577	589	562	560	536	525	533	535	522	534	476	536	566	505
10:00	424	671	669	631	542	658	648	660	663	657	653	667	481	674	636	701	683	575	670	663	644	633	641	640	627	643	611	584	505	673
10:30	506	765	763	668	507	703	711	753	760	751	754	754	538	781	534	796	514	298	767	757	740	727	736	733	723	733	764	783	557	758
11:00	657	832	495	354	266	571	626	824	831	788	684	828	525	833	475	837	306	390	838	828	820	801	809	803	798	808	846	660	471	808
11:30	472	871	801	177	279	632	835	870	890	813	675	869	509	873	463	936	116	342	888	874	871	852	858	849	846	861	897	665	320	822
12:00	188	890	685	98	402	770	830	889	906	375	623	890	522	870	557	903	229	203	913	898	893	875	878	874	868	885	704	653	353	853
12:30	108	880	466	433	173	871	815	885	906	408	764	879	764	912	559	531	169	289	907	895	887	872	872	869	865	890	445	578	187	867
13:00	106	849	589	397	143	861	734	852	869	445	718	833	884	880	383	645	226	168	873	863	854	843	842	786	798	870	402	465	302	898
13:30	212	793	433	511	185	688	745	790	740	77	751	775	770	820	390	564	279	237	812	807	797	787	787	356	718	644	304	539	257	838
14:00	211	710	200	386	183	671	724	704	288	114	403	679	728	733	365	267	253	176	725	728	717	706	706	318	635	530	481	515	270	755
14:30	138	606	172	372	235	543	615	601	193	477	299	607	605	632	350	400	131	170	621	627	614	608	606	272	581	367	352	442	440	655
15:00	139	493	193	253	132	426	501	489	472	542	399	467	319	523	270	334	105	84	508	515	502	499	499	333	494	271	376	230	246	533
15:30	199	366	143	286	98	324	385	376	408	382	256	366	236	386	171	367	105	28	393	397	386	383	385	236	383	262	294	121	142	405
16:00	127	258	109	232	91	207	247	265	284	291	147	268	231	264	148	240	78	84	280	282	274	273	275	216	271	148	160	94	142	313
16:30	46	161	68	171	90	109	170	168	170	163	76	167	137	188	95	141	64	82	181	184	173	174	177	174	174	108	120	70	135	199
17:00	61	90	43	95	60	64	92	92	94	100	58	90	80	105	47	93	41	49	102	104	97	99	101	76	98	67	97	39	104	117
17:30	36	41	32	43	27	24	38	43	43	62	26	41	43	46	25	47	11	18	48	48	46	46	48	43	47	29	48	18	54	55
18:00	12	14	12	15	14	10	13	14	14	36	9	12	15	15	9	17	5	13	17	18	16	16	17	17	16	14	17	10	17	20
18:30	2	3	2	3	3	2	3	3	3	13	3	3	3	3	2	4	1	3	4	4	3	4	4	4	4	3	4	1	3	3
19:00	0	0	1	1	0	0	1	1	0	3	0	0	1	0	0	0	1	0	0	0	1	0	1	1	1	1	0	0	1	1
19:30	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
21:00	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.7 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN JULY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	1	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0
06:00	5	6	5	4	4	5	4	5	5	4	4	4	4	4	4	4	2	4	4	3	3	3	4	3	3	3	3	3	3	3	3
06:30	21	22	21	19	20	21	20	21	20	20	20	18	19	19	17	18	14	17	17	18	18	17	17	16	15	14	16	15	16	15	15
07:00	62	65	54	50	52	57	55	57	56	58	54	51	53	56	51	54	45	51	52	53	54	50	52	48	46	49	51	50	49	47	45
07:30	134	116	112	104	110	120	117	118	114	121	113	107	117	119	109	115	112	96	114	118	108	110	113	104	101	114	115	112	104	106	101
08:00	227	186	192	180	191	207	203	206	199	208	198	190	205	204	195	199	126	162	203	208	210	197	200	184	182	187	199	200	193	192	181
08:30	337	309	294	278	294	312	312	317	305	318	306	296	317	306	304	306	183	261	311	315	314	309	308	289	288	297	306	307	296	299	286
09:00	460	421	411	387	409	430	429	437	423	437	424	415	440	424	427	419	277	392	436	434	427	430	432	408	407	422	423	424	418	418	404
09:30	579	509	524	497	524	545	547	564	544	555	546	539	559	543	549	538	417	555	560	548	548	553	556	527	533	545	540	547	536	541	525
10:00	694	628	633	602	632	655	658	675	657	664	658	654	677	666	666	653	502	639	676	675	651	662	671	640	649	663	545	661	655	654	640
10:30	786	650	731	695	727	747	757	774	756	758	755	756	777	644	747	472	599	770	781	772	738	345	773	740	752	715	597	766	671	757	743
11:00	854	760	809	771	806	797	834	852	836	838	836	837	810	525	848	401	760	781	866	858	679	643	857	820	842	476	674	877	664	821	825
11:30	908	849	861	822	859	901	861	903	894	893	888	889	839	293	877	573	570	685	920	907	324	482	910	877	914	384	590	362	175	920	882
12:00	935	657	882	845	885	767	891	930	921	924	920	914	660	327	950	270	314	643	947	931	141	225	960	906	692	313	678	411	189	920	915
12:30	934	604	879	843	884	674	807	933	921	921	924	918	359	130	947	204	243	685	947	932	116	144	850	912	717	558	536	225	246	938	918
13:00	883	807	851	816	849	504	881	905	891	893	897	891	223	89	809	148	133	407	919	892	64	164	303	887	399	263	568	128	270	901	893
13:30	854	676	796	759	792	489	708	847	835	845	848	836	272	105	577	95	239	382	868	845	41	192	392	830	269	368	544	115	142	843	838
14:00	767	571	716	679	714	529	716	762	755	753	763	754	300	125	549	206	383	212	785	765	43	174	462	745	488	262	566	159	114	726	759
14:30	591	399	614	583	613	528	641	661	651	664	657	652	88	117	413	176	317	502	686	660	44	149	469	639	330	201	233	277	89	642	657
15:00	469	363	503	479	503	388	449	547	535	530	539	537	83	146	277	171	244	369	572	547	45	125	439	525	161	225	97	372	66	514	537
15:30	422	341	388	370	389	328	268	427	417	418	418	420	99	102	234	199	188	332	447	436	33	57	298	402	156	267	162	204	41	411	414
16:00	294	238	278	263	281	241	231	307	301	299	302	302	98	95	275	134	179	215	326	316	56	49	281	289	115	231	169	184	24	291	295
16:30	205	178	179	168	179	77	115	200	195	199	196	195	77	61	191	45	114	187	212	208	56	50	200	186	66	173	108	62	71	186	190
17:00	96	99	102	95	101	46	94	116	111	113	111	110	69	29	111	38	78	112	122	119	85	20	99	105	61	117	74	46	44	103	93
17:30	57	50	46	45	48	23	53	55	54	54	54	52	45	15	52	25	44	54	57	57	40	13	50	48	26	51	24	36	33	47	45
18:00	21	16	18	17	17	9	18	20	19	19	19	19	18	6	19	9	16	19	19	20	17	3	18	17	14	18	10	14	12	16	16
18:30	4	3	4	3	4	2	5	4	4	4	5	4	4	1	4	1	4	4	4	4	4	1	4	4	4	3	3	2	3	3	3
19:00	1	1	0	1	1	1	0	1	1	1	0	0	1	0	1	0	0	0	1	1	0	1	1	0	0	1	0	1	1	0	1
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20:00	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.8 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN AUGUST

TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	3	3	2	3	2	2	2	2	2	2	2	1	2	1	2	2	2	2	2	2	2	2	1	1	2	2	2	1	1	1	2
06:30	14	14	15	15	15	15	13	9	12	14	14	13	11	9	11	13	11	12	12	12	11	12	13	13	11	12	11	12	11	11	11
07:00	44	44	44	47	46	47	42	40	43	45	46	44	32	31	40	43	44	42	45	42	43	44	44	48	43	41	42	41	39	40	40
07:30	103	98	98	104	111	99	106	107	97	104	107	99	81	84	96	99	102	98	105	105	105	106	105	103	105	102	100	99	93	93	97
08:00	185	182	179	189	201	201	184	161	185	188	192	185	167	177	189	185	188	181	191	183	171	192	192	192	195	189	189	185	175	177	184
08:30	285	287	284	299	310	296	292	226	81	299	319	295	278	250	316	293	292	293	303	300	287	306	303	301	309	298	302	296	282	285	296
09:00	402	411	405	424	426	436	428	252	396	425	448	417	402	367	439	420	419	421	429	417	378	433	431	401	438	426	431	423	406	412	427
09:30	526	535	527	551	553	535	555	267	509	560	577	545	529	487	524	543	541	550	560	547	538	562	557	569	566	556	563	554	534	542	557
10:00	641	648	642	667	676	646	632	310	618	678	703	665	649	610	582	608	658	678	688	670	540	684	677	648	684	674	686	677	658	668	682
10:30	741	698	744	772	782	776	567	530	778	784	809	773	757	765	712	702	776	755	800	774	637	788	781	787	788	772	796	782	766	777	786
11:00	822	854	826	857	869	852	790	602	870	871	900	860	850	868	533	479	872	862	904	852	808	866	860	835	868	854	886	864	851	870	872
11:30	882	869	883	914	913	906	817	902	926	933	965	915	902	874	532	259	867	947	984	888	955	954	916	895	922	914	951	920	903	927	930
12:00	911	943	910	941	957	958	8421024	908	9551016	936	835	924	556	216	928	920	210	911	942	644	952	946	949	959	910	943	926	964	875
12:30	911	875	911	938	957	9601047	1026	905	9591008	931	774	776	259	242	680	827	173	919	946	271	726	945	943	957	946	937	919	945	643
13:00	887	709	883	907	929	939	853	939	922	927	938	896	487	506	146	314	648	394	117	862	921	333	494	868	908	848	912	900	883	863	689
13:30	832	779	828	844	881	884	224	820	865	872	907	833	538	417	362	304	473	82	90	776	581	283	333	746	842	688	887	838	821	867	482
14:00	749	771	742	759	758	781	165	672	709	787	845	746	414	211	252	263	426	50	128	503	362	279	247	626	751	418	781	745	738	755	585
14:30	648	759	640	658	667	623	145	649	564	675	715	637	267	220	282	485	335	76	107	445	363	281	141	413	632	526	671	637	633	629	364
15:00	531	409	525	542	553	392	263	595	445	557	580	513	205	139	205	524	217	75	131	388	415	121	170	360	516	538	542	514	514	508	405
15:30	407	425	402	420	425	344	212	402	379	431	436	395	221	134	159	388	156	81	74	310	309	123	174	320	374	396	408	385	385	381	267
16:00	289	279	285	298	306	261	185	292	287	302	209	273	271	165	80	283	131	90	50	256	255	98	166	163	257	272	278	262	262	254	184
16:30	182	166	180	188	193	183	89	193	187	189	122	163	131	112	70	164	86	44	52	158	174	80	130	132	164	165	168	158	157	152	131
17:00	102	104	100	103	106	104	73	100	101	103	72	91	86	72	26	84	74	41	26	85	94	78	81	81	85	87	87	82	78	76	60
17:30	46	41	45	47	47	47	34	41	42	44	34	40	40	46	13	34	38	17	14	36	38	33	34	34	33	35	35	31	30	29	23
18:00	15	13	15	15	15	15	13	15	12	13	11	11	12	12	3	12	12	6	5	9	11	9	10	9	9	8	8	8	7	7	6
18:30	3	2	3	3	3	2	2	2	3	3	3	2	2	2	1	2	2	1	1	1	2	1	1	1	1	2	2	1	1	1	2
19:00	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
19:30	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
20:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.9 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN SEPTEMBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
03:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
06:30	12	10	10	10	11	10	10	9	10	10	10	10	10	9	10	9	9	9	10	10	10	10	11	11	11	12	13	13	12	13
07:00	40	36	38	40	37	38	37	37	37	36	37	38	39	35	38	38	37	38	37	39	38	40	41	41	43	44	45	44	43	44
07:30	96	94	92	96	92	91	90	91	96	91	95	96	97	90	97	91	91	97	97	99	99	99	102	102	106	106	109	100	98	103
08:00	184	178	179	183	176	175	171	174	168	171	176	174	178	174	180	170	177	183	182	183	185	188	182	171	192	193	201	188	181	172
08:30	298	280	295	290	283	284	277	271	279	279	280	288	293	280	285	282	277	290	292	288	296	296	299	215	307	304	313	300	286	266
09:00	429	354	358	410	405	410	402	402	407	407	405	408	404	403	406	401	401	414	409	406	413	419	410	287	422	430	436	427	404	385
09:30	563	386	309	533	531	546	531	543	539	525	510	533	512	531	530	528	530	539	530	533	535	532	469	408	543	553	554	544	525	532
10:00	687	342	368	375	649	676	653	699	667	454	554	653	663	650	649	551	649	657	648	644	651	429	653	640	658	664	663	657	634	644
10:30	795	410	160	318	752	770	755	639	777	563	751	736	732	750	750	607	750	742	747	736	748	459	710	734	754	752	750	753	726	733
11:00	888	555	85	363	830	854	831	385	784	638	832	499	815	826	822	584	838	667	824	818	820	596	776	800	827	820	818	809	791	800
11:30	886	137	75	274	881	911	883	923	876	479	741	817	878	872	872	470	865	641	857	857	868	377	881	864	868	866	856	747	827	835
12:00	635	149	108	186	908	938	904	907	914	455	610	917	870	891	893	340	778	722	884	877	673	423	794	874	876	746	860	805	827	840
12:30	654	163	138	152	901	934	896	926	900	398	474	479	885	877	884	390	563	614	824	865	747	198	836	845	851	594	832	800	812	818
13:00	416	240	121	173	863	901	854	826	813	422	451	612	852	837	844	454	401	549	592	825	549	409	773	796	794	379	779	714	762	763
13:30	373	217	353	132	797	799	783	463	807	267	432	547	696	765	763	213	400	562	437	755	247	340	664	700	719	501	674	699	682	681
14:00	319	139	162	340	697	716	689	361	609	188	524	451	651	671	650	109	351	505	293	653	166	351	456	498	621	337	597	597	575	578
14:30	215	135	241	264	579	609	582	488	588	170	309	324	565	557	509	271	223	358	242	539	119	183	481	370	504	337	482	484	465	465
15:00	293	163	191	227	465	482	461	425	414	179	201	303	439	433	414	136	106	362	139	414	68	232	376	391	381	345	348	363	333	350
15:30	75	185	121	206	348	352	334	335	217	210	227	194	308	309	286	112	142	302	107	293	67	90	212	266	262	245	246	245	223	241
16:00	51	166	40	46	230	232	221	225	117	203	114	151	194	200	176	33	113	186	66	185	78	21	160	166	159	108	147	145	135	139
16:30	23	134	21	23	135	134	127	126	101	124	63	74	112	111	106	46	67	110	73	100	74	17	84	84	82	65	74	70	66	68
17:00	18	52	11	11	65	64	61	60	54	58	43	20	55	52	49	22	25	48	40	43	40	10	35	34	33	30	29	27	26	24
17:30	8	20	5	11	24	22	22	21	19	19	16	9	18	17	15	14	11	14	12	13	11	2	10	8	8	8	7	5	5	6
18:00	2	5	1	3	5	5	4	4	4	3	3	1	3	2	3	1	2	2	2	1	1	1	1	1	1	0	0	1	1	0
18:30	1	0	0	0	1	1	1	1	1	0	1	0	1	1	0	0	0	0	0	1	0	0	1	1	0	0	1	0	0	1
19:00	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
23:00	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.10 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN OCTOBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	1	2	1	2	1	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
06:30	12	10	11	13	12	12	11	11	11	10	10	8	10	10	9	9	9	9	11	9	9	9	8	8	8	8	3	6	7	6	6
07:00	44	32	43	42	43	42	41	42	41	32	32	27	38	37	36	35	35	34	36	32	33	30	32	34	31	32	17	28	29	26	28
07:30	100	78	104	103	103	103	97	105	103	76	88	69	95	93	90	89	88	86	85	80	80	75	80	85	78	78	35	64	75	72	65
08:00	185	146	198	188	190	196	182	190	193	144	162	132	178	175	168	172	165	171	160	150	155	149	150	163	148	148	95	112	149	138	135
08:30	293	218	304	297	296	304	286	295	295	263	271	187	280	274	267	269	263	270	253	236	248	239	242	257	239	238	126	199	246	220	221
09:00	419	401	423	414	414	430	397	413	410	359	381	288	387	381	372	377	370	379	314	338	352	342	345	362	343	340	218	231	352	313	316
09:30	550	501	540	530	536	533	517	531	530	473	498	360	492	488	479	487	480	486	133	449	460	449	453	470	451	442	319	234	457	413	413
10:00	659	505	648	637	633	656	624	635	632	534	570	508	592	592	587	589	577	591	50	569	333	545	553	572	550	535	506	319	556	502	487
10:30	738	713	731	725	707	744	715	721	722	532	582	631	612	674	674	641	656	580	33	684	605	626	636	655	632	613	307	407	629	577	559
11:00	796	687	790	786	763	807	776	780	774	757	384	726	388	680	588	558	717	553	103	752	700	683	690	709	692	668	333	446	704	633	584
11:30	828	720	827	816	833	835	813	811	735	775	494	745	266	736	311	440	755	451	491	579	735	716	721	734	723	698	525	317	737	661	632
12:00	838	658	804	728	836	842	819	812	742	721	638	719	370	313	284	478	758	601	203	332	738	718	719	737	725	692	605	280	722	655	675
12:30	775	502	766	686	790	808	790	784	643	678	452	738	415	159	174	261	452	581	71	249	715	693	694	706	694	662	531	343	623	627	647
13:00	768	260	630	745	752	723	729	723	590	619	545	707	307	127	177	157	193	407	105	393	670	636	640	652	641	609	539	393	658	575	592
13:30	565	253	492	526	700	663	639	624	428	592	451	550	314	119	212	154	315	462	234	229	588	557	559	566	563	532	354	417	561	499	518
14:00	432	141	268	194	556	547	468	532	412	497	506	478	471	75	158	286	96	475	295	189	490	452	464	470	465	439	402	428	428	407	425
14:30	213	299	124	179	373	420	428	424	430	358	415	344	171	63	141	118	52	291	267	128	378	350	358	360	357	320	263	251	347	306	324
15:00	196	188	136	163	305	303	305	309	325	206	223	282	170	87	88	118	137	150	212	194	267	245	254	250	250	207	191	176	239	211	225
15:30	160	104	132	127	232	205	206	206	194	173	161	177	101	76	62	114	132	132	124	139	172	158	162	158	156	144	132	99	151	131	139
16:00	87	99	130	82	130	119	118	118	113	101	89	97	81	32	62	89	50	64	78	59	92	83	88	85	83	76	71	49	81	68	74
16:30	50	59	63	33	62	59	56	58	53	39	29	48	42	17	18	38	28	25	27	27	40	36	37	36	35	30	30	17	33	29	30
17:00	20	23	23	20	20	19	19	20	15	11	9	15	12	7	4	11	11	5	8	10	11	10	11	19	10	9	8	5	9	7	8
17:30	3	4	4	5	4	4	4	3	3	2	3	2	2	2	1	2	2	0	2	2	2	1	1	7	1	1	0	0	1	1	1
18:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
18:30	0	0	0	0	0	1	1	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
20:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.11 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN NOVEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	7	6	6	1	1	2	2	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	27	27	26	6	6	14	12	10	6	6	12	1	1	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
07:30	73	68	66	19	19	41	38	38	19	19	42	10	11	10	9	9	9	5	4	7	8	7	8	5	6	6	7	7	6	6
08:00	149	139	131	50	50	92	85	80	50	50	98	33	36	34	31	29	33	7	17	30	29	31	29	25	23	27	27	26	27	26
08:30	242	229	213	97	97	165	152	151	97	97	139	76	84	80	69	66	78	7	41	74	73	70	71	68	54	68	67	66	65	66
09:00	342	328	311	162	162	251	234	236	162	162	207	138	150	147	128	124	144	21	50	138	132	107	133	124	125	131	127	128	125	128
09:30	443	423	411	238	238	346	325	335	238	238	295	218	228	226	203	195	224	18	79	220	209	165	210	214	186	207	205	197	199	205
10:00	533	514	504	318	318	440	417	387	318	318	463	305	313	310	286	277	312	38	76	307	291	249	295	270	241	288	290	288	285	290
10:30	699	591	582	402	402	522	496	467	402	402	483	395	403	396	370	361	401	24	106	459	373	393	383	330	330	374	381	376	371	380
11:00	663	640	638	475	475	585	555	495	475	475	571	473	484	472	443	436	475	362	285	446	411	419	464	384	365	450	458	456	447	460
11:30	687	667	666	310	644	630	600	581	504	504	510	534	549	534	501	490	537	364	237	429	290	521	522	377	346	510	524	522	508	523
12:00	643	661	664	536	637	648	616	615	529	529	607	573	587	573	537	526	576	204	392	389	317	493	531	267	421	554	566	562	547	562
12:30	678	629	636	633	539	639	609	567	516	516	614	589	598	589	548	547	585	469	154	134	399	406	372	208	423	570	583	580	564	580
13:00	524	573	581	595	588	592	572	579	484	484	595	577	582	576	536	539	574	394	103	193	425	138	231	224	443	560	573	572	554	569
13:30	496	499	502	532	274	530	528	465	434	434	555	540	543	539	499	507	537	130	204	156	534	139	81	220	478	529	535	535	521	535
14:00	431	411	408	447	208	437	191	379	370	370	483	481	482	478	441	448	476	156	228	164	240	191	64	330	407	471	479	475	465	479
14:30	321	512	309	351	203	335	214	299	317	317	413	399	403	400	366	374	400	169	100	226	230	164	96	304	297	394	405	399	391	405
15:00	221	215	213	253	134	241	219	183	251	251	318	304	312	312	280	291	310	187	108	306	234	168	134	230	276	307	318	314	305	321
15:30	143	132	131	168	108	148	142	115	171	171	229	214	223	225	197	211	218	155	120	147	158	108	73	143	140	226	224	226	220	232
16:00	77	70	67	94	89	68	84	72	110	110	148	140	144	145	127	136	141	59	105	106	117	92	50	129	89	149	145	147	144	153
16:30	30	29	27	44	43	16	38	24	58	58	84	77	80	81	69	76	78	17	56	42	83	56	40	54	68	83	86	83	80	88
17:00	9	7	7	14	13	7	13	8	25	25	38	35	36	36	30	36	35	5	21	14	34	29	24	26	26	38	39	37	36	38
17:30	1	1	1	2	3	1	1	1	7	7	12	11	11	10	10	14	11	1	6	4	15	8	6	3	7	11	11	12	11	12
18:00	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	4	2	1	1	1	2	2	1	1	1	2	2	2	2	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.12 UV DATA BASE - 1974 MAUNA LOA OBS., HAWAII

COUNTS BY TIME OF DAY FOR EACH DAY IN DECEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	1	1	1	1	1	0	1	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	6	6	5	5	4	5	4	5	4	4	4	3	3	4	3	3	3	3	3	3	2	1	1	2	2	2	2	2	2	2	2
07:30	25	24	24	22	22	21	21	22	21	20	20	18	17	17	18	18	16	16	17	14	11	7	12	14	14	14	14	14	13	13	12
08:00	64	61	62	58	59	59	55	55	53	53	53	49	47	46	51	49	46	46	48	39	35	15	34	43	40	43	42	41	41	38	40
08:30	122	118	123	119	123	118	107	109	108	106	106	96	96	93	103	101	93	93	100	77	70	39	84	91	85	91	96	87	87	82	85
09:00	199	191	190	196	200	195	178	178	176	175	175	162	159	157	173	174	159	157	168	139	96	63	161	159	147	156	167	152	151	144	151
09:30	282	274	278	281	285	278	243	258	255	258	255	239	217	232	258	265	237	233	250	214	122	116	219	241	221	234	243	227	227	218	227
10:00	369	361	361	365	372	362	317	340	340	343	338	321	296	311	349	346	316	312	335	271	170	234	318	326	301	316	292	307	310	297	310
10:30	451	442	443	438	445	438	376	419	418	421	414	397	383	385	430	425	391	386	422	335	160	198	401	414	380	396	389	385	390	375	389
11:00	512	504	502	492	509	496	478	483	482	485	477	459	450	447	496	491	454	448	491	428	238	254	471	490	443	472	472	451	460	442	457
11:30	552	548	538	515	547	322	532	524	526	531	521	503	493	490	538	542	500	493	540	485	273	287	530	542	492	512	530	501	512	491	504
12:00	569	567	548	544	561	313	552	547	546	553	539	523	514	511	562	561	526	515	561	475	282	262	561	568	517	560	566	531	540	519	529
12:30	559	562	536	553	552	343	548	543	539	550	536	517	510	509	546	559	524	513	555	501	214	259	565	572	491	567	409	535	541	522	531
13:00	524	502	504	441	522	407	507	514	509	520	503	486	483	483	517	529	496	486	531	423	161	185	532	551	475	538	382	515	516	502	509
13:30	467	309	436	475	465	351	447	462	455	468	451	438	438	434	489	471	447	438	483	385	171	195	475	495	389	486	309	468	470	458	463
14:00	391	366	249	375	387	301	375	389	384	393	380	370	376	367	289	408	380	372	243	333	91	156	404	421	361	417	331	403	402	395	402
14:30	306	296	144	293	305	227	293	304	298	307	298	290	296	292	225	324	302	293	181	276	65	148	324	339	315	333	354	324	321	318	325
15:00	220	217	158	114	221	222	212	220	214	220	215	208	217	214	226	240	219	215	162	208	74	148	237	249	209	249	265	242	238	238	242
15:30	144	141	120	30	146	147	139	144	141	145	141	136	142	141	137	159	144	142	142	140	57	82	161	166	140	169	178	164	162	162	164
16:00	82	80	72	23	83	76	79	82	81	83	81	77	80	81	82	90	84	82	74	83	35	35	94	97	90	99	98	99	97	97	99
16:30	37	36	35	23	39	27	36	38	36	38	37	36	37	39	43	43	39	39	45	40	12	18	46	46	41	49	49	49	50	49	50
17:00	12	12	11	5	12	7	12	12	12	13	12	11	13	12	14	14	13	14	15	13	4	5	16	16	15	18	17	18	18	18	19
17:30	1	1	2	1	2	2	1	2	2	2	2	2	1	2	3	2	3	2	2	2	1	1	3	3	2	3	4	3	4	4	3
18:00	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1
18:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TALLAHASSEE

TABLE A.13 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN JANUARY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
07:30	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	0	2	2	2	1	2	2	2	3	2	2	2
08:00	5	5	4	4	6	4	8	6	7	5	6	4	8	8	7	5	8	7	5	3	9	9	7	6	6	10	11	10	9	11	10
08:30	13	14	15	11	13	20	18	18	20	14	14	21	24	19	22	14	21	18	12	6	27	30	22	14	17	30	31	32	22	27	24
09:00	26	43	40	25	29	46	47	43	39	32	27	44	46	33	50	26	43	38	21	16	57	64	36	26	39	62	70	53	47	51	44
09:30	45	60	56	36	49	98	74	72	61	63	54	71	79	65	88	47	66	69	33	34	96	103	56	52	53	111	114	70	75	74	68
10:00	78	100	76	57	69	152	129	95	81	110	116	75	112	102	126	68	99	92	46	79	141	150	79	83	78	159	149	115	134	64	113
10:30	105	119	67	83	84	163	125	138	98	142	155	103	157	132	166	92	157	162	71	152	188	197	98	110	151	141	215	119	155	138	146
11:00	104	154	86	91	78	162	170	149	112	151	184	65	203	177	204	135	209	211	76	183	232	239	157	125	203	160	208	135	200	176	197
11:30	152	206	138	158	86	193	236	145	121	178	346	110	225	207	236	191	219	245	85	194	265	275	256	217	285	265	225	225	338	184	200
12:00	116	209	244	169	116	189	71	142	119	216	188	90	253	219	232	261	266	266	112	193	288	298	252	255	310	219	342	185	246	187	227
12:30	159	248	245	187	141	175	87	158	145	259	184	92	255	273	260	267	233	278	123	220	293	304	247	296	290	223	328	261	318	188	316
13:00	106	216	215	195	130	135	52	160	173	274	181	79	248	240	253	261	226	264	119	240	287	295	233	287	293	258	314	234	233	189	268
13:30	89	188	227	193	132	125	38	140	245	196	186	73	234	223	234	238	189	180	129	230	262	275	233	244	260	235	295	286	252	255	132
14:00	76	179	149	224	109	182	26	161	227	165	111	140	135	141	204	208	188	191	93	177	232	241	227	206	244	202	236	170	250	199	192
14:30	31	151	146	148	57	177	56	111	166	140	19	157	105	93	161	171	154	173	73	96	182	197	210	154	171	159	193	125	188	173	147
15:00	36	116	106	123	98	134	82	71	111	108	9	313	94	66	113	128	102	129	51	40	145	150	143	98	123	141	134	120	102	107	146
15:30	35	80	78	87	89	90	33	50	71	89	3	81	49	64	83	88	76	93	36	32	102	106	96	87	99	110	110	83	94	95	102
16:00	27	45	52	52	55	52	25	31	50	55	2	49	42	46	51	54	51	52	26	13	64	65	67	59	69	71	74	77	59	56	62
16:30	9	22	25	25	24	24	14	14	27	27	1	24	21	21	25	26	27	28	15	5	33	34	35	30	36	37	41	37	32	39	32
17:00	2	6	6	5	7	8	4	5	8	9	0	7	6	4	9	9	8	10	8	3	13	13	13	12	13	14	16	13	12	17	14
17:30	0	1	1	1	0	2	1	1	2	1	0	1	1	1	1	2	2	2	2	1	2	3	3	3	3	3	4	3	1	4	3
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.14 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN FEBRUARY

DAY TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	1	0	0	0	0	1	0	0	0	1	1	0	1	1	1	1	2	2	2	1	2	2	2	2
07:30	2	3	3	3	3	4	1	1	4	2	5	5	5	5	5	5	6	6	4	8	8	9	10	8	9	8	7	9
08:00	11	11	14	14	13	7	3	3	14	12	18	20	21	19	16	22	20	23	14	28	28	27	29	28	27	23	25	31
08:30	29	28	30	34	36	15	27	8	29	39	46	47	50	34	32	46	44	54	33	63	59	61	65	49	56	47	59	78
09:00	60	47	40	68	68	47	64	29	46	78	84	87	92	69	59	88	82	102	84	108	104	99	110	98	100	83	100	107
09:30	92	69	78	109	111	89	83	57	96	121	130	137	147	131	95	140	130	159	109	162	143	133	166	173	153	127	154	160
10:00	141	171	146	157	159	127	113	94	137	168	183	194	203	190	122	197	186	202	85	223	146	222	229	246	211	176	211	218
10:30	205	248	161	206	209	186	173	83	196	223	237	248	256	263	180	242	244	260	105	280	170	269	292	262	266	227	267	276
11:00	257	249	226	250	256	252	126	84	245	269	284	293	310	251	202	301	291	295	176	335	198	326	350	321	317	274	317	322
11:30	281	210	76	286	295	281	228	87	277	300	321	328	357	259	209	337	330	319	345	379	175	389	396	277	361	311	361	356
12:00	233	116	130	308	318	258	126	58	298	318	349	353	358	283	220	338	356	325	329	406	144	418	426	338	386	337	386	386
12:30	141	121	127	318	316	148	192	99	310	330	356	362	346	307	143	347	365	322	281	415	126	429	430	356	392	348	393	391
13:00	169	156	202	310	301	68	143	98	301	325	349	355	290	373	155	370	358	389	260	405	198	415	418	359	378	339	383	378
13:30	227	211	164	286	273	99	199	79	279	301	324	329	225	279	177	333	336	352	261	378	140	386	395	304	350	316	333	305
14:00	218	222	152	250	244	80	174	48	247	263	283	290	207	217	118	302	298	318	278	336	97	342	353	310	307	281	258	299
14:30	153	192	104	207	193	51	119	44	203	218	236	241	194	192	127	249	251	267	235	282	86	288	291	250	255	235	224	250
15:00	99	154	141	158	162	37	134	64	158	170	183	189	160	139	152	197	195	209	198	220	82	226	204	210	199	185	178	172
15:30	49	126	81	113	114	43	111	47	113	122	131	136	116	91	101	140	141	151	117	156	54	165	141	155	144	134	129	125
16:00	45	79	68	71	69	22	44	19	72	79	85	87	75	54	54	90	92	98	86	103	52	108	102	98	94	88	83	89
16:30	32	35	44	37	41	7	36	9	38	43	47	49	43	32	37	52	52	53	55	62	37	63	64	60	54	50	43	49
17:00	10	18	20	15	17	4	23	3	16	19	21	22	21	14	22	24	24	25	24	29	15	29	30	28	25	22	21	24
17:30	4	4	5	5	5	1	4	2	5	5	6	6	6	5	7	7	7	7	8	9	5	10	9	9	8	8	8	8
18:00	0	1	1	0	0	1	1	0	0	1	1	0	1	0	1	1	1	1	1	1	0	1	2	2	1	1	2	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.15 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN MARCH

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
06:30	0	0	0	0	0	1	1	1	1	1	1	0	1	1	0	1	2	2	1	2	2	1	1	2	1	0	2	1	3	5	4
07:00	2	2	3	4	3	3	5	5	4	5	6	6	8	8	6	5	9	8	9	11	5	10	5	11	1	4	6	7	8	18	17
07:30	8	11	9	15	11	11	19	20	19	22	24	19	26	26	20	17	27	27	21	23	6	32	16	32	1	10	13	16	32	46	46
08:00	23	26	22	41	30	31	51	53	50	54	58	43	59	55	37	30	60	63	49	23	5	66	36	73	1	19	32	29	50	91	91
08:30	49	62	40	85	53	56	103	101	102	107	103	78	107	96	65	52	107	114	96	28	6	94	49	143	6	42	56	23	124	152	146
09:00	96	103	67	141	89	94	165	163	169	160	158	130	167	149	100	103	165	176	169	69	2	131	50	217	59	57	111	48	118	222	308
09:30	151	149	107	207	183	147	233	235	238	231	226	230	235	213	179	129	232	241	192	156	48	157	80	291	49	66	160	88	179	295	294
10:00	212	156	232	276	289	267	306	307	303	307	299	304	307	298	250	301	303	310	153	277	188	182	79	368	14	84	204	124	186	377	370
10:30	271	153	327	340	357	374	373	361	377	372	368	325	374	369	198	209	370	375	172	277	333	287	88	442	4	99	335	64	366	450	442
11:00	321	227	387	400	423	437	433	400	436	427	427	259	434	434	79	196	429	431	406	423	298	308	114	497	8	106	330	69	440	510	500
11:30	367	298	432	445	476	494	476	401	421	429	474	455	475	396	173	393	472	470	425	386	350	296	116	544	39	120	473	67	463	551	544
12:00	396	283	458	471	342	450	498	301	432	470	497	379	494	454	201	271	496	488	523	463	287	316	124	564	70	106	398	267	405	574	565
12:30	354	269	461	475	501	408	503	422	497	486	496	400	496	478	295	191	497	493	500	383	404	311	144	560	38	119	331	356	510	574	562
13:00	234	248	441	454	413	291	476	518	459	430	400	456	467	388	321	246	479	473	509	467	284	309	224	537	44	183	416	344	469	553	539
13:30	208	301	403	420	351	359	430	476	348	318	336	337	403	291	205	376	437	436	459	485	332	345	254	487	57	186	418	175	425	511	500
14:00	252	206	348	371	378	286	387	411	258	368	299	95	357	277	105	325	378	384	411	410	436	299	252	384	58	112	334	195	402	454	440
14:30	178	237	295	310	301	317	328	327	197	305	286	331	310	293	188	318	311	324	297	365	248	264	223	367	24	94	246	126	364	381	369
15:00	135	193	235	248	261	242	261	257	194	185	261	286	237	245	124	279	248	257	230	263	200	209	251	278	25	53	164	89	281	305	294
15:30	123	151	172	176	168	190	194	185	161	169	148	209	179	146	65	200	183	192	197	215	138	156	183	217	14	49	65	40	213	227	220
16:00	90	99	114	123	118	131	130	133	104	122	103	141	118	81	45	135	122	130	114	149	110	106	91	149	6	24	74	44	148	155	152
16:30	53	59	67	72	77	68	78	79	71	72	79	84	67	65	39	82	75	77	77	91	52	66	55	89	3	44	68	62	92	94	95
17:00	25	28	32	35	38	39	39	39	39	38	31	44	30	35	25	39	38	39	38	47	19	35	22	48	2	32	34	33	49	50	51
17:30	8	10	11	12	13	14	14	14	13	14	8	15	11	9	5	11	14	15	10	18	10	15	10	18	2	11	5	21	20	19	21
18:00	1	1	2	2	2	2	2	3	3	2	2	3	2	3	2	3	3	3	3	3	4	3	3	4	0	2	3	5	5	6	6
18:30	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.16 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN APRIL

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
06:00	0	0	1	0	0	1	1	1	2	1	2	1	1	0	1	1	2	2	2	2	3	3	3	3	4	4	3	3	4	3
06:30	3	2	6	7	2	6	6	7	6	7	9	7	6	3	9	7	11	10	10	12	13	13	14	15	14	13	14	16	27	10
07:00	11	7	23	16	10	22	24	23	24	26	29	16	18	9	20	17	33	32	30	33	38	32	37	41	37	36	40	41	46	25
07:30	25	39	50	34	20	54	60	54	53	62	65	28	37	19	64	45	74	66	66	71	78	73	75	82	74	73	81	81	91	44
08:00	56	47	99	62	25	100	109	102	99	111	122	69	81	31	59	53	132	116	119	120	135	135	98	137	124	124	136	136	149	78
08:30	110	16	156	99	66	163	176	152	157	175	179	110	134	54	156	115	190	181	174	178	204	210	176	208	189	188	203	207	218	108
09:00	197	6	233	118	169	237	250	209	225	251	247	159	161	86	280	174	275	253	239	248	282	300	166	286	265	263	274	282	296	247
09:30	308	10	314	175	266	317	333	275	276	336	335	177	273	216	316	322	361	334	322	313	372	337	253	372	346	345	353	364	378	373
10:00	415	13	374	246	367	400	418	237	379	420	403	207	372	388	432	421	446	413	397	402	465	337	380	455	424	420	429	439	463	456
10:30	489	14	486	270	416	475	491	221	447	491	499	234	335	250	378	483	521	481	466	469	526	483	450	528	493	484	494	508	463	529
11:00	538	14	526	291	478	538	553	101	504	554	551	320	385	317	383	342	576	533	522	523	513	385	599	588	542	539	545	563	539	577
11:30	583	27	621	396	498	577	600	119	552	601	574	330	389	490	285	435	615	569	557	567	581	306	609	625	578	576	588	601	555	611
12:00	625	36	613	485	567	602	620	192	566	625	590	309	368	449	357	417	632	581	576	587	633	324	592	647	600	588	605	610	473	621
12:30	621	29	605	390	608	600	615	213	571	624	584	265	559	338	310	407	626	580	571	586	608	361	518	641	598	588	595	601	555	606
13:00	552	20	501	289	589	576	593	73	548	599	569	257	476	443	290	269	602	559	548	555	605	435	558	611	574	561	564	534	599	572
13:30	487	21	481	297	547	533	548	73	512	555	541	247	356	419	345	308	558	513	507	513	566	463	566	562	528	516	518	491	398	525
14:00	420	36	483	323	482	470	480	63	452	486	470	259	304	349	314	205	494	459	450	446	488	400	470	492	467	455	458	414	370	475
14:30	367	35	405	204	405	397	402	93	381	401	377	287	189	179	297	167	415	391	377	382	432	376	416	413	394	383	391	328	241	380
15:00	276	41	319	222	326	319	317	34	303	320	315	312	125	139	241	171	334	317	292	312	346	246	347	332	317	308	316	315	206	300
15:30	222	64	240	165	245	240	237	29	227	250	247	217	90	257	231	111	253	239	225	235	254	203	257	253	241	236	243	242	244	223
16:00	126	89	164	135	170	166	164	34	158	171	174	175	79	194	144	79	180	166	158	165	186	166	185	181	167	167	173	168	181	164
16:30	87	77	101	81	107	103	103	35	98	106	108	112	38	112	103	47	113	106	100	107	119	97	121	119	106	110	108	114	119	109
17:00	42	49	54	41	58	56	56	34	54	60	61	65	21	61	60	24	64	60	55	62	69	68	59	62	63	64	70	66
17:30	20	16	24	15	25	24	24	17	24	27	27	29	13	27	24	13	29	28	27	29	31	28	33	32	28	30	30	33	34	30
18:00	6	3	6	5	7	6	7	7	7	8	8	9	5	7	9	6	9	9	9	9	11	10	11	11	9	10	11	12	12	11
18:30	0	0	1	1	1	1	1	0	1	1	1	1	1	2	0	1	2	2	1	2	2	2	2	2	2	3	2	3	2	1
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.17 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN MAY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	1
05:30	1	1	1	0	1	1	0	1	1	0	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	1	2	2	2	2	2
06:00	7	5	5	2	4	3	5	5	6	4	4	5	9	5	5	3	8	0	9	10	10	10	9	9	10	6	10	11	7	7	10
06:30	21	19	16	5	18	11	17	18	18	13	13	14	26	21	15	10	28	25	29	30	27	26	32	25	31	14	30	32	26	18	26
07:00	48	49	40	17	37	15	42	41	48	25	37	39	60	52	41	25	57	58	62	65	48	62	66	58	66	39	57	70	66	48	53
07:30	87	88	75	43	77	50	83	84	96	45	63	36	108	99	100	44	87	100	112	117	63	112	107	116	114	87	101	122	118	67	87
08:00	140	135	143	92	126	120	136	140	159	64	61	73	173	156	167	73	132	141	177	184	150	150	113	192	176	167	166	189	163	147	146
08:30	208	202	190	112	127	137	199	207	236	95	108	193	249	237	244	134	267	224	251	257	246	227	261	276	251	234	222	268	137	233	216
09:00	277	256	288	176	202	140	276	265	316	98	124	259	332	325	321	170	337	344	347	329	316	268	299	351	331	329	300	346	232	310	316
09:30	341	315	327	360	218	113	354	349	398	201	270	191	422	383	379	163	420	452	426	415	439	318	341	441	417	420	389	385	194	413	318
10:00	404	332	372	335	345	127	427	373	478	403	210	114	502	442	471	215	486	515	475	534	477	324	397	535	491	472	436	482	333	530	476
10:30	433	344	402	430	384	159	491	417	548	533	305	107	571	446	541	315	542	370	570	594	517	310	291	453	567	446	523	474	357	547	444
11:00	496	240	445	574	475	153	543	496	612	567	261	146	626	422	522	350	610	546	656	635	617	326	465	609	621	407	526	637	585	651	545
11:30	528	384	601	489	526	211	583	449	639	604	319	240	662	423	498	353	656	644	585	678	558	374	674	581	650	422	602	685	539	666	530
12:00	522	408	639	364	429	216	589	563	656	617	303	418	675	320	608	351	393	620	489	695	546	475	561	610	668	535	493	714	447	667	591
12:30	509	244	365	435	182	524	581	438	646	612	225	554	674	474	616	310	343	623	658	691	599	423	361	615	670	326	705	526	525	674	657
13:00	510	524	574	285	340	467	545	469	630	575	103	529	644	414	634	293	442	671	671	621	613	322	458	659	644	239	595	575	587	696	473
13:30	453	275	566	309	423	312	511	324	564	496	54	607	598	452	580	276	340	552	602	626	589	337	257	649	610	164	605	624	527	524	245
14:00	375	198	369	175	497	234	443	316	516	460	17	530	536	437	172	245	209	362	471	556	537	313	349	560	540	194	568	569	271	327	271
14:30	341	234	366	180	411	95	309	346	436	401	24	350	450	362	190	255	243	308	452	483	443	238	502	365	453	285	479	481	302	407	373
15:00	284	46	328	236	288	176	274	299	354	289	14	336	360	248	190	325	172	273	388	394	367	148	412	301	371	212	381	244	397	280	412
15:30	219	60	263	141	195	140	213	240	275	253	7	283	290	192	247	242	122	118	275	304	265	99	258	282	294	121	306	280	249	251	311
16:00	158	155	159	64	81	70	166	169	198	151	4	207	214	159	203	155	132	105	224	223	200	79	214	230	217	17	227	154	156	160	243
16:30	103	89	120	48	22	34	110	114	126	105	2	137	140	76	87	96	72	87	151	149	148	67	150	156	146	50	155	150	127	15	163
17:00	63	60	61	9	24	26	64	68	70	54	2	81	83	41	41	66	3	79	90	89	87	37	94	96	82	42	95	88	102	58	104
17:30	33	30	25	1	32	15	33	32	38	21	1	42	44	28	18	29	1	47	44	44	46	17	51	52	44	8	52	47	47	49	58
18:00	14	11	5	1	13	9	13	13	15	8	1	17	17	13	10	11	0	19	20	19	18	8	22	23	19	5	23	21	18	18	24
18:30	4	3	3	1	3	2	3	2	3	2	0	4	4	4	3	2	0	5	5	6	4	2	6	6	5	1	7	7	7	6	4
19:00	1	0	0	0	0	1	0	1	1	0	0	1	1	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.18 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN JUNE

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
05:30	2	2	2	3	3	3	2	3	3	1	2	3	3	2	2	3	2	1	2	2	3	2	2	1	3	2	1	2	2	3
06:00	10	10	9	10	11	11	11	12	12	3	11	11	10	9	10	10	11	7	10	9	9	11	12	6	11	10	5	10	10	9
06:30	31	14	27	22	29	22	31	36	31	6	31	31	30	27	27	30	28	20	27	24	28	28	32	17	31	29	18	29	26	27
07:00	74	11	54	50	63	33	71	73	66	18	70	65	61	58	59	66	63	45	59	51	58	60	67	30	65	62	38	62	55	61
07:30	130	14	118	72	100	63	127	126	119	54	74	117	110	102	103	117	113	91	78	101	102	103	118	46	111	95	65	109	97	105
08:00	203	32	192	89	149	149	181	198	182	115	87	184	165	154	165	183	164	162	130	126	159	160	182	79	174	109	133	167	154	163
08:30	308	101	266	134	238	163	265	279	255	150	140	253	244	197	231	253	217	221	180	171	228	230	255	83	253	136	186	239	222	225
09:00	399	35	279	179	339	188	290	361	314	233	181	335	293	250	286	329	231	291	266	277	302	304	199	151	334	146	254	306	294	283
09:30	480	30	317	247	413	242	438	414	392	285	275	411	394	283	358	380	328	282	364	359	375	376	346	270	407	164	266	380	368	351
10:00	535	51	341	300	464	284	455	462	462	453	494	484	453	409	347	420	261	333	433	422	444	446	447	257	475	196	407	441	438	406
10:30	604	149	499	416	594	236	555	529	540	491	588	551	510	392	442	545	536	363	489	480	502	504	443	190	554	279	603	511	504	502
11:00	637	173	504	413	499	400	629	612	604	573	651	584	597	268	570	565	620	290	532	524	543	528	595	206	619	276	604	502	427	590
11:30	636	337	540	546	650	422	646	626	596	434	663	593	631	239	507	642	668	243	562	527	572	406	674	265	646	247	694	450	519	593
12:00	558	432	617	443	527	480	664	503	555	486	701	621	639	332	623	557	670	364	590	551	502	512	556	450	659	255	617	487	571	634
12:30	578	541	630	467	657	713	741	632	607	443	681	594	649	439	634	553	672	356	590	560	603	567	558	404	655	227	629	498	456	615
13:00	582	589	561	615	506	584	559	589	649	517	551	616	622	465	568	588	647	445	568	581	340	562	661	584	649	215	547	388	530	604
13:30	341	553	379	576	593	494	456	586	555	203	501	575	576	528	441	595	621	461	542	439	439	490	626	512	615	223	572	418	495	565
14:00	352	476	439	459	509	452	389	491	390	118	538	507	425	390	406	504	563	451	485	331	168	385	545	472	521	170	416	414	434	524
14:30	400	329	416	344	475	450	251	375	183	28	493	448	332	195	407	460	479	363	421	320	289	277	461	446	492	137	402	348	319	430
15:00	241	236	395	275	305	400	217	222	47	19	349	366	308	52	261	380	399	356	353	317	305	189	411	291	406	102	361	318	242	308
15:30	99	85	243	130	235	310	187	150	41	33	281	284	109	20	178	298	305	288	274	269	267	180	331	219	322	66	272	230	176	209
16:00	92	46	75	117	170	246	118	94	46	59	222	223	54	3	123	235	235	211	209	204	214	163	242	170	234	56	182	195	133	123
16:30	133	64	36	109	129	145	57	77	62	18	151	160	54	3	142	165	164	145	147	151	142	111	167	143	164	31	152	140	90	105
17:00	101	81	40	64	54	103	58	23	38	14	112	97	62	3	88	104	106	90	96	99	97	78	112	84	105	8	88	89	70	92
17:30	50	55	48	42	24	59	37	11	23	20	62	54	55	2	56	58	61	49	55	56	55	31	52	55	59	8	50	50	48	54
18:00	23	23	21	14	10	26	19	7	15	18	31	26	22	2	29	24	28	23	26	21	27	5	28	25	29	4	25	23	24	26
18:30	7	7	7	3	4	8	6	3	7	6	10	9	7	1	9	8	10	7	8	9	9	1	9	9	10	3	9	8	9	7
19:00	1	1	1	0	0	2	2	1	2	1	2	2	2	0	2	1	2	2	1	1	1	1	2	2	2	1	1	1	1	1
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.19 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN JULY

TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	2	2	2	1	1	2	2	2	2	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1
06:00	8	11	11	3	9	11	11	10	8	8	9	8	8	8	7	8	7	8	7	8	7	6	7	5	5	7	1	6	5	5	6
06:30	25	31	32	18	21	30	32	32	25	24	26	23	24	23	23	23	24	24	25	24	21	19	20	14	16	23	7	21	17	18	19
07:00	54	66	70	34	35	68	71	71	42	55	59	56	52	50	51	41	55	54	54	54	47	40	46	34	32	55	28	50	41	43	46
07:30	96	117	114	43	65	132	126	125	92	98	105	99	92	64	94	71	105	95	102	98	86	42	82	60	38	109	41	99	92	81	87
08:00	172	185	161	54	117	201	187	191	161	152	167	154	147	102	146	144	166	161	162	154	139	79	118	108	55	178	109	154	153	131	139
08:30	228	236	268	102	187	279	222	280	214	216	237	210	211	198	209	217	238	232	231	224	201	81	135	195	80	227	199	226	227	192	207
09:00	297	321	353	111	242	294	310	315	304	292	312	288	278	287	283	293	322	306	218	296	256	175	162	282	247	152	122	310	309	262	292
09:30	376	366	410	73	335	258	478	425	401	368	375	343	345	343	330	378	403	380	248	361	310	300	246	315	226	140	239	322	393	328	338
10:00	472	511	448	88	351	329	404	487	473	436	457	420	415	394	447	452	462	417	369	435	293	388	226	256	152	73	268	364	473	391	389
10:30	541	480	534	114	237	544	364	434	555	448	527	486	486	474	480	516	505	361	365	474	429	447	306	167	68	194	213	485	548	440	518
11:00	577	508	668	231	126	58	447	435	600	462	481	468	553	570	428	574	533	351	591	438	521	459	376	444	246	448	233	483	611	490	564
11:30	569	663	549	451	221	250	330	742	589	405	633	491	587	610	485	576	664	527	379	479	556	500	245	179	182	588	333	308	659	504	583
12:00	523	590	562	384	321	202	381	742	434	604	510	564	625	633	557	559	691	560	522	511	560	557	399	65	30	654	187	164	664	552	469
12:30	440	642	227	333	521	216	307	656	561	640	605	561	551	644	570	431	693	256	609	483	500	536	561	26	83	422	69	240	610	552	472
13:00	572	525	323	367	703	297	432	734	386	576	586	535	591	592	580	332	622	256	623	451	538	515	359	57	143	470	144	105	612	370	581
13:30	393	588	467	505	458	454	272	683	171	257	489	449	559	578	545	286	458	400	500	389	488	502	135	39	288	353	552	25	621	163	548
14:00	312	570	286	484	623	491	288	577	66	156	505	443	443	534	495	202	283	522	541	427	434	457	44	43	254	153	258	18	552	8	499
14:30	306	467	367	460	284	450	126	427	17	99	432	331	404	446	377	233	295	463	462	251	380	320	5	58	334	142	263	26	455	4	379
15:00	243	180	320	301	315	379	304	324	14	139	330	316	269	377	266	245	402	325	365	182	305	157	14	80	310	146	201	50	377	5	242
15:30	200	124	275	291	377	353	196	286	15	162	253	213	241	305	227	157	321	112	247	126	250	143	29	69	210	134	181	114	303	10	152
16:00	153	170	134	254	281	150	189	257	23	145	92	118	206	230	177	116	230	70	196	14	174	159	125	79	150	112	118	117	223	25	158
16:30	96	106	101	164	77	111	195	166	27	81	68	86	149	161	136	80	157	58	149	2	128	109	143	69	103	93	67	82	165	37	84
17:00	71	48	79	108	40	70	126	109	31	82	72	66	93	101	97	52	93	49	104	1	93	88	82	40	66	71	38	34	86	29	30
17:30	47	26	51	48	36	38	70	64	32	50	38	42	55	57	56	37	51	38	58	2	54	50	53	18	36	44	22	18	49	26	20
18:00	23	15	27	17	21	14	30	29	23	22	14	19	26	27	25	22	24	21	27	2	22	21	21	10	16	21	16	10	19	14	13
18:30	8	6	9	7	8	6	11	10	8	8	5	7	9	9	9	8	8	7	9	3	7	7	6	3	7	7	4	3	5	5	7
19:00	1	1	1	1	2	1	1	2	2	2	1	1	1	2	1	1	2	1	1	1	2	1	1	1	1	1	0	0	1	0	1
19:30	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.20 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN AUGUST

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	1	1	0	0	0	0	0	1	1	0	1	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
06:00	5	4	6	6	2	4	5	4	4	5	4	3	4	4	4	3	4	4	3	4	4	3	3	4	4	3	3	3	3	2	2
06:30	17	12	19	20	5	10	13	12	18	16	16	12	16	16	15	13	18	13	16	15	14	13	14	15	15	15	14	13	12	12	14
07:00	42	16	45	50	5	26	28	27	46	46	42	32	43	40	29	38	44	39	41	39	35	37	36	43	42	42	41	39	37	35	39
07:30	82	61	77	98	12	55	40	52	92	90	83	51	85	81	58	77	90	80	83	86	73	69	75	85	85	85	85	79	78	77	81
08:00	138	91	130	165	32	82	69	87	155	150	138	75	145	135	78	135	149	137	132	150	119	114	127	147	147	144	140	134	134	129	140
08:30	204	126	210	249	53	170	102	116	231	220	203	91	214	200	115	205	204	202	206	220	179	152	182	221	217	210	204	200	206	192	214
09:00	264	63	213	297	73	222	147	138	318	301	283	152	261	280	147	217	236	284	291	295	255	234	233	307	302	294	286	273	277	300	293
09:30	332	41	231	381	109	244	223	217	344	332	354	333	310	369	136	193	295	370	343	376	329	348	302	376	367	337	358	358	293	378	338
10:00	385	30	441	383	118	351	229	267	460	384	424	367	407	424	147	177	392	334	264	459	356	396	364	320	376	433	456	439	349	400	419
10:30	480	11	522	224	135	350	230	311	580	466	525	355	312	324	208	295	445	362	350	504	354	395	458	446	445	458	468	510	318	389	511
11:00	436	8	461	113	173	237	183	411	479	441	585	486	401	452	247	483	448	257	573	250	433	423	540	465	539	539	405	529	538	599	579
11:30	332	18	668	76	243	110	191	512	279	523	524	444	518	384	313	576	434	470	531	149	270	400	586	479	426	557	234	591	416	632	641
12:00	405	42	312	111	223	72	188	627	291	581	332	646	584	287	431	470	576	533	608	250	184	457	490	613	489	652	342	611	253	677	483
12:30	449	37	315	209	248	16	222	692	587	568	301	659	635	320	81	679	491	489	584	344	41	281	402	537	292	532	593	509	138	565	254
13:00	259	42	597	326	310	33	223	624	628	431	327	748	516	218	565	644	521	455	551	449	78	454	449	636	231	416	404	398	37	618	267
13:30	216	72	417	355	350	122	187	553	510	529	457	622	394	199	507	425	493	414	485	194	90	235	433	558	167	458	154	482	73	534	163
14:00	201	65	287	239	249	189	102	545	498	359	373	525	206	134	423	254	404	161	499	188	143	31	399	464	193	448	390	355	182	483	161
14:30	67	49	160	252	210	204	192	395	366	279	177	440	105	152	274	67	381	111	411	157	69	72	322	371	140	399	316	254	298	303	254
15:00	116	47	230	165	218	244	206	153	270	316	152	345	20	213	204	62	292	108	353	79	40	105	255	252	187	221	338	96	330	263	204
15:30	179	52	158	142	129	275	201	108	254	215	171	281	3	151	134	149	160	95	260	68	46	110	199	64	271	235	248	86	235	228	123
16:00	119	33	142	124	117	234	176	56	121	195	111	202	2	105	174	129	88	78	169	81	71	101	145	66	194	136	177	87	156	150	88
16:30	64	61	84	86	108	148	119	26	58	130	77	135	3	73	73	102	47	64	117	48	85	81	88	54	114	62	109	87	94	68	45
17:00	47	48	52	59	70	62	59	15	24	77	53	81	3	51	34	72	40	48	68	58	43	52	54	37	66	34	62	56	52	31	31
17:30	26	17	34	39	42	30	36	10	39	37	27	42	3	30	30	32	24	32	34	28	10	29	26	18	26	18	28	22	16	12	17
18:00	6	10	18	18	19	12	15	5	16	16	1	16	2	11	12	13	8	12	12	11	6	9	9	6	8	7	8	6	5	4	5
18:30	3	4	5	5	4	4	4	2	4	4	0	3	0	2	2	3	2	2	2	2	1	1	2	1	2	1	1	1	0	0	2
19:00	1	0	1	1	1	1	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.21 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN SEPTEMBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	3	2	2	2	0	0	2	2	1	2	2	1	2	2	1	1	0	0	0	1	1	0	0	1	0	0	1	0	1	1
06:30	12	12	12	7	2	3	10	12	8	10	10	11	10	10	9	9	4	4	3	4	3	3	3	2	3	2	2	3	7	7
07:00	38	34	38	21	6	4	23	35	19	31	33	34	37	34	31	29	19	17	10	17	18	17	10	12	9	5	10	17	22	22
07:30	80	62	81	44	18	19	56	77	40	75	74	73	76	75	67	67	48	44	36	47	44	47	26	32	25	18	19	42	50	50
08:00	138	109	141	69	40	18	112	130	59	129	130	127	134	131	119	111	95	88	63	92	90	92	46	65	51	41	52	72	91	91
08:30	209	190	218	165	80	11	195	203	77	188	198	195	207	203	188	148	157	147	132	154	156	107	77	91	94	69	119	144	147	147
09:00	287	278	263	271	108	6	264	279	107	267	275	280	284	286	264	230	226	216	193	223	236	149	139	149	146	86	210	221	212	212
09:30	367	368	390	325	158	6	345	367	210	345	355	366	361	366	339	333	260	292	227	289	274	280	255	169	203	78	268	244	280	280
10:00	317	374	434	334	170	6	419	384	280	445	428	450	449	325	396	401	394	367	330	362	348	370	352	201	333	81	319	300	335	335
10:30	413	456	456	430	200	5	327	393	279	507	498	509	519	482	368	398	435	437	374	433	452	424	413	258	377	150	347	245	378	378
11:00	431	395	366	505	235	9	318	592	511	519	548	519	573	541	530	451	315	497	402	518	509	462	468	354	433	175	500	224	425	425
11:30	586	342	415	480	185	18	455	607	328	623	584	599	606	589	502	361	399	534	458	521	546	546	502	326	479	240	489	456	456	456
12:00	505	491	264	560	118	29	468	661	507	620	542	541	526	559	356	412	315	556	565	488	569	559	520	259	532	112	493	449	449	449
12:30	584	490	90	538	184	24	439	610	308	617	537	467	614	518	502	300	157	556	452	429	489	576	517	362	445	225	467	426	426	426
13:00	493	388	91	472	107	11	518	451	113	592	507	510	574	530	314	110	371	532	482	424	506	541	474	440	426	309	407	396	396	396
13:30	394	278	158	437	119	9	494	413	133	539	460	460	527	489	128	105	467	481	474	465	427	390	436	349	394	212	457	359	359	359
14:00	383	211	307	398	101	17	423	167	131	464	429	447	453	446	9	88	442	418	376	326	408	401	381	211	321	245	340	309	309	309
14:30	350	161	321	369	101	39	283	365	141	361	265	318	347	364	10	55	379	315	353	286	369	332	314	188	262	117	326	263	263	263
15:00	207	163	328	280	93	68	50	307	103	277	286	252	265	275	32	64	298	250	285	289	258	253	223	163	208	89	272	209	209	209
15:30	129	142	191	211	47	63	43	222	86	205	186	211	217	207	53	48	180	180	213	222	213	195	185	122	153	69	194	155	155	155
16:00	140	104	107	123	30	59	39	173	66	127	130	126	143	138	45	79	100	139	129	153	145	126	134	83	120	16	112	107	107	107
16:30	94	77	57	46	23	15	22	82	35	70	76	84	85	81	42	39	76	93	80	93	87	77	75	36	61	6	72	62	62	62
17:00	57	48	42	9	8	8	4	34	24	41	42	42	42	39	23	2	48	48	45	44	42	37	35	19	31	5	40	32	32	32
17:30	24	20	19	2	5	5	5	14	12	17	15	15	14	13	6	0	20	19	16	17	16	11	13	7	12	5	11	12	12	12
18:00	6	5	4	1	0	2	2	2	3	3	3	3	3	2	1	0	4	5	4	4	4	3	2	1	2	1	1	3	3	3
18:30	1	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.22 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN OCTOBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	1	1	1	1	1	2	2	2	1	1	1	1	1	0	2	0	2	1	1	1	1	1	0	1	1	1	1	0	1	1	0
07:00	6	6	6	6	6	12	10	9	7	7	7	8	7	0	9	2	8	8	7	7	7	7	7	5	5	5	5	4	5	5	5
07:30	23	23	23	23	23	34	34	31	22	23	25	28	25	1	30	22	27	27	25	25	23	22	21	21	20	19	18	17	21	19	21
08:00	55	55	55	55	55	71	70	64	51	48	55	63	56	62	65	63	60	61	54	56	54	51	51	50	46	46	46	39	47	48	50
08:30	98	98	98	98	98	122	122	112	88	85	99	103	100	108	113	120	105	106	98	100	96	77	96	92	79	85	88	83	85	85	92
09:00	150	150	150	150	150	183	184	171	141	132	151	151	156	154	173	179	164	161	154	152	144	137	147	140	121	133	139	132	137	135	140
09:30	210	210	210	210	210	250	252	236	216	186	210	228	215	223	235	229	227	225	217	210	202	187	204	189	184	187	191	188	192	188	196
10:00	264	264	264	264	264	317	317	302	277	242	270	297	249	235	297	288	291	283	278	268	259	194	260	245	226	243	244	234	251	240	251
10:30	314	314	314	314	314	378	377	362	331	293	328	354	310	252	353	299	345	338	325	323	308	272	313	295	284	285	292	280	296	282	297
11:00	348	348	348	348	348	429	428	406	372	334	376	336	336	338	401	156	392	382	358	365	349	355	352	333	329	323	332	308	336	308	320
11:30	362	362	362	362	362	463	460	435	396	355	407	329	323	389	364	205	423	416	385	394	374	378	376	359	357	323	358	276	332	241	293
12:00	360	360	360	360	360	479	471	440	249	316	414	303	302	406	379	215	434	428	395	404	380	387	386	364	328	350	366	262	351	248	311
12:30	350	350	350	350	350	472	461	431	172	240	410	409	279	311	355	164	426	421	392	394	368	376	381	349	295	350	361	278	349	318	348
13:00	333	333	333	333	333	425	434	421	164	286	391	382	273	326	401	160	400	396	367	367	346	352	358	321	303	238	327	247	334	341	290
13:30	300	300	300	300	300	385	392	378	234	288	355	267	290	302	346	185	356	352	328	329	304	313	311	286	250	219	296	206	300	264	260
14:00	257	257	257	257	257	321	341	327	88	221	302	258	295	309	282	177	300	296	278	279	263	265	266	241	221	217	256	226	256	224	161
14:30	213	213	213	213	213	274	278	273	210	145	244	226	219	248	234	167	241	236	221	221	206	209	210	191	169	180	167	186	197	191	186
15:00	160	160	160	160	160	218	210	208	146	144	187	177	167	198	153	105	178	173	165	160	153	155	146	142	129	142	140	150	134	145	143
15:30	107	107	107	107	107	153	149	145	87	108	130	134	95	132	79	67	120	118	110	106	102	104	100	96	84	103	89	97	83	95	88
16:00	67	67	67	67	67	99	95	93	72	64	80	77	76	80	83	40	72	71	67	64	59	62	60	56	53	60	51	60	52	54	54
16:30	33	33	33	33	33	55	52	51	34	38	44	41	37	41	38	16	36	36	32	31	28	29	28	27	21	27	24	24	23	24	25
17:00	12	12	12	12	12	23	22	22	10	15	17	18	13	15	14	6	13	12	11	10	9	10	9	8	7	8	8	7	7	7	6
17:30	2	2	2	2	2	7	6	6	3	4	4	4	4	3	3	1	2	2	2	2	2	1	2	1	1	1	0	1	1	0	1
18:00	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.23 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN NOVEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
07:00	5	6	5	5	4	1	4	2	4	3	3	3	3	2	2	2	2	1	2	1	2	2	0	0	1	0	1	0	0	0
07:30	21	19	18	19	16	7	15	9	15	15	14	14	12	11	13	12	7	6	9	6	10	9	3	4	3	3	2	3	2	1
08:00	51	48	46	44	37	15	38	21	39	39	39	35	35	28	32	31	29	20	25	13	29	27	14	13	14	14	10	13	9	3
08:30	92	87	87	84	65	44	72	27	74	76	73	67	70	65	63	62	54	45	55	34	59	58	37	37	38	34	22	33	23	6
09:00	143	139	136	136	115	106	114	33	117	120	120	107	114	91	101	103	76	59	103	59	97	96	72	70	59	64	52	64	45	4
09:30	197	192	191	189	169	144	160	69	166	170	170	154	166	150	145	149	111	108	161	42	141	140	111	109	16	103	99	103	69	3
10:00	253	242	245	196	216	123	203	81	216	221	223	202	214	207	192	195	158	136	207	108	186	186	156	153	46	144	136	148	100	3
10:30	296	286	289	256	248	155	237	117	260	269	268	237	257	253	235	240	224	256	259	78	225	228	202	197	38	187	167	190	123	6
11:00	328	324	325	260	271	111	277	119	294	304	307	276	292	291	271	275	265	247	292	6	260	264	242	236	56	224	150	223	169	23
11:30	355	347	348	204	228	83	301	135	315	328	330	296	318	305	293	300	262	292	319	37	280	286	269	266	75	251	115	256	183	50
12:00	353	359	356	291	257	148	299	152	321	336	336	303	324	303	303	308	273	312	327	87	286	297	285	272	119	262	150	276	195	55
12:30	350	352	349	266	317	183	284	116	312	331	330	295	315	294	296	299	272	266	321	59	280	293	289	245	102	224	127	278	133	68
13:00	330	326	325	81	269	214	275	104	290	308	304	275	293	260	275	279	254	249	299	97	259	274	278	209	75	205	138	268	117	105
13:30	293	289	287	96	229	173	224	113	257	271	253	242	256	238	242	244	207	219	263	46	225	242	253	206	90	168	178	242	105	114
14:00	246	244	239	180	180	132	202	122	212	224	212	200	214	185	200	203	154	216	213	50	186	201	215	175	122	159	130	211	110	55
14:30	191	190	184	183	136	99	160	72	165	174	136	153	163	142	153	157	97	168	164	64	142	155	171	168	76	121	112	168	91	103
15:00	139	136	117	108	80	71	114	73	119	125	76	108	116	98	107	113	89	122	119	91	98	108	126	124	83	89	112	123	82	106
15:30	91	88	85	77	70	39	74	44	76	79	58	66	72	58	67	71	47	78	75	45	60	68	85	84	56	59	78	82	56	68
16:00	51	49	48	46	43	25	39	22	41	42	18	36	38	27	35	38	22	41	38	27	32	35	49	47	27	33	47	47	32	40
16:30	21	20	20	18	18	10	13	5	17	17	5	14	14	9	14	14	9	16	15	11	11	13	23	22	11	13	21	21	12	20
17:00	6	6	5	4	4	1	3	1	4	4	2	3	3	3	3	3	1	3	3	2	3	3	7	7	5	3	6	6	4	6
17:30	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	1	1	0	1	1	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.24 UV DATA BASE - 1974 TALLAHASSEE, FLORIDA

COUNTS BY TIME OF DAY FOR EACH DAY IN DECEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	2	1	2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
08:00	8	6	9	8	8	6	1	8	8	6	6	1	5	7	1	5	6	5	6	3	2	5	5	6	3	5	4	2	3	3	4
08:30	24	14	24	24	21	17	8	22	21	22	19	3	12	22	7	19	20	19	20	17	10	18	19	21	8	17	13	13	11	8	12
09:00	47	27	48	47	45	37	9	46	43	47	49	13	17	49	12	42	41	44	45	30	9	41	44	44	20	39	25	27	25	19	29
09:30	78	35	77	77	79	74	43	80	61	78	69	14	29	81	23	56	71	74	84	78	21	75	77	69	35	71	36	40	42	35	51
10:00	110	57	114	112	117	112	53	114	93	115	107	30	20	120	61	56	106	109	124	115	75	110	112	115	48	105	58	47	61	38	80
10:30	145	115	152	149	151	150	24	142	126	156	144	18	46	145	43	86	140	148	149	81	102	149	153	149	76	127	77	51	74	64	101
11:00	161	158	186	185	183	186	127	171	169	191	172	10	72	182	50	134	175	183	198	69	98	187	193	181	126	163	135	99	100	115	114
11:30	163	198	208	214	210	217	52	204	189	221	184	22	68	211	61	159	198	213	211	39	138	217	227	216	145	208	178	106	118	178	125
12:00	160	214	229	232	229	235	33	152	214	240	185	26	60	247	42	198	187	231	234	30	148	238	232	220	132	216	190	124	155	249	155
12:30	199	222	233	235	232	230	32	131	219	245	220	30	41	219	72	162	183	239	197	28	192	244	189	180	196	238	230	114	201	245	241
13:00	205	213	223	228	222	213	41	114	212	236	238	33	59	215	110	170	189	233	170	14	215	239	233	202	197	255	242	89	188	207	274
13:30	178	194	201	208	201	190	108	176	196	217	208	41	71	193	123	148	178	213	95	12	202	221	213	208	173	231	216	61	150	240	256
14:00	158	167	173	180	172	155	110	113	170	186	174	43	41	182	83	130	159	186	49	9	164	192	194	175	196	197	161	42	167	211	226
14:30	126	132	138	142	136	130	24	108	136	145	135	35	41	151	63	134	129	150	55	6	129	156	157	151	159	161	144	43	157	173	187
15:00	92	97	101	105	100	98	16	81	98	105	98	19	38	113	29	96	95	113	60	5	95	117	118	84	107	120	94	50	116	117	144
15:30	60	64	66	70	66	67	8	65	65	72	53	16	26	73	28	69	62	75	39	5	61	80	79	53	88	82	74	35	68	81	101
16:00	34	36	37	39	38	34	20	37	36	40	28	5	14	44	13	41	34	44	33	6	37	47	47	31	52	50	33	42	41	56	62
16:30	15	15	16	18	17	16	11	17	16	19	12	4	8	20	15	21	14	20	9	6	18	22	18	22	25	25	21	23	23	29	31
17:00	4	5	5	5	5	5	3	5	5	5	3	1	3	5	6	6	4	7	3	1	5	7	8	6	7	8	8	8	8	10	11
17:30	1	1	1	0	0	0	0	1	0	1	1	0	0	1	1	1	0	1	1	0	1	2	1	1	2	1	1	1	1	1	2
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

EL PASO

TABLE A.25 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN JANUARY

TIME	DAY 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	1	2	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	1
08:00	7	7	3	6	5	7	6	3	2	7	6	6	5	7	8	8	8	7	8	8	8	7	6	1	6	8	5	8	7	8	9
08:30	20	22	11	19	9	20	20	10	5	23	19	19	19	20	24	23	24	23	23	23	26	25	13	6	17	24	14	22	23	24	26
09:00	44	48	22	42	19	44	48	15	11	49	40	43	43	46	52	50	48	47	51	47	54	47	34	11	37	48	38	48	47	49	57
09:30	76	86	32	77	39	74	84	24	16	77	72	78	73	85	88	90	90	83	86	92	95	72	32	19	72	82	80	79	83	82	105
10:00	117	131	45	123	42	99	128	39	29	116	112	124	95	135	136	142	141	118	136	146	144	114	47	35	120	131	109	123	134	115	154
10:30	165	174	62	176	57	162	185	88	33	176	161	175	164	189	188	187	201	175	185	197	202	140	51	46	175	190	126	186	189	174	218
11:00	207	220	66	226	69	224	236	106	38	224	208	224	230	232	242	226	236	203	248	189	255	159	65	55	202	224	163	239	241	187	278
11:30	244	264	158	263	80	270	269	128	58	226	245	264	260	269	291	277	283	145	296	238	293	213	89	73	242	271	70	268	279	221	323
12:00	269	250	199	285	87	296	299	144	63	236	260	294	271	296	316	311	321	252	323	291	339	281	58	82	227	297	83	294	292	362	357
12:30	278	205	232	294	95	235	311	118	99	280	278	309	251	311	315	310	338	180	342	322	357	217	59	111	244	314	98	302	300	339	380
13:00	271	234	245	288	85	269	311	114	81	288	287	308	308	308	308	306	339	304	336	330	355	204	44	78	253	316	210	308	313	303	361
13:30	252	272	232	254	73	271	271	156	100	266	267	291	281	288	284	297	315	279	293	287	325	181	41	62	271	303	254	291	302	318	335
14:00	221	240	188	212	71	230	206	140	86	221	235	248	243	253	254	266	276	239	270	253	283	239	42	60	235	268	214	257	272	226	295
14:30	175	169	118	169	64	186	186	104	53	180	192	190	196	209	211	224	230	200	225	229	236	191	40	78	206	217	163	218	225	173	245
15:00	125	127	86	125	58	139	146	45	69	120	140	138	149	157	160	172	172	150	174	151	174	129	19	63	160	169	112	165	179	127	190
15:30	79	82	48	80	37	91	81	28	43	87	93	92	101	104	109	117	120	102	120	106	118	90	11	53	108	116	76	115	128	51	138
16:00	41	47	26	45	24	50	44	16	30	50	52	55	60	61	64	70	66	58	72	65	71	52	7	32	64	69	51	70	77	39	86
16:30	18	22	11	19	11	23	20	8	17	23	24	24	28	29	32	34	29	26	34	37	36	22	3	24	33	35	29	35	39	23	45
17:00	4	5	4	6	3	7	6	3	6	6	8	8	9	9	11	12	11	7	13	13	14	6	2	8	13	13	11	13	16	9	19
17:30	1	1	1	0	1	1	1	0	1	2	1	1	2	2	2	2	1	2	2	3	2	1	0	2	2	3	3	4	3	3	4
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	1	1	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.26 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN FEBRUARY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	1	0	1	0	1	0	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	1	1	2
07:30	2	3	2	3	2	3	2	3	2	2	3	3	4	4	4	4	5	4	5	5	5	6	7	6	7	6	8	9
08:00	11	12	11	11	13	11	12	10	12	11	14	15	16	15	15	17	20	14	20	21	19	21	23	21	21	19	24	29
08:30	31	33	29	33	35	30	30	27	34	28	39	40	40	37	42	41	45	33	47	46	45	51	53	48	49	49	59	68
09:00	61	67	61	68	70	61	59	55	69	65	79	90	76	71	83	80	77	65	90	84	85	98	102	90	93	85	112	124
09:30	106	113	106	118	116	113	108	99	121	88	134	129	108	118	138	139	136	104	149	112	141	166	169	149	154	155	178	196
10:00	162	169	161	180	172	168	165	150	188	155	198	187	157	175	194	210	217	161	219	175	208	246	246	213	227	220	255	278
10:30	232	229	221	248	248	227	221	199	249	237	273	266	223	237	239	282	256	219	297	218	279	322	309	281	303	237	333	331
11:00	293	279	281	315	308	296	276	246	306	325	345	338	314	291	306	351	293	273	370	267	346	378	371	342	378	230	403	389
11:30	341	326	333	368	359	338	323	293	355	383	399	400	354	338	371	409	372	325	433	305	408	427	425	394	437	313	460	452
12:00	379	361	371	410	403	305	357	323	393	426	429	444	383	370	414	456	405	359	452	331	453	445	458	430	476	275	500	496
12:30	395	377	394	437	422	324	370	338	417	446	438	454	419	388	435	486	444	292	486	129	468	464	481	445	505	312	522	494
13:00	392	370	392	431	422	342	368	330	426	456	412	454	420	391	434	484	429	313	412	84	450	459	480	447	498	335	522	527
13:30	364	348	376	396	399	298	339	321	412	434	388	409	399	366	415	432	261	274	441	307	416	445	454	428	471	303	500	510
14:00	329	311	341	333	366	268	317	285	372	392	363	304	360	327	377	388	118	287	415	153	379	410	407	389	428	359	453	457
14:30	278	257	287	255	305	196	265	237	314	334	318	225	297	276	325	336	71	207	357	64	327	351	344	333	366	217	398	384
15:00	215	200	224	190	238	147	160	182	243	261	255	129	208	219	258	262	81	149	278	102	264	284	275	268	297	210	318	308
15:30	151	141	159	137	170	110	146	129	173	187	183	116	160	160	187	193	77	117	201	91	193	207	203	197	222	135	226	224
16:00	92	88	100	91	98	78	93	79	107	120	118	83	101	103	122	123	65	83	134	60	126	134	134	130	148	96	164	152
16:30	46	47	52	51	49	39	49	45	55	65	66	47	52	57	70	71	28	58	77	33	73	75	77	74	86	81	103	96
17:00	20	19	22	23	22	14	21	19	21	28	29	29	22	26	32	32	10	27	35	16	34	37	36	36	41	37	52	46
17:30	6	5	5	6	6	4	5	6	7	9	9	9	7	8	10	10	2	9	13	5	12	12	12	13	14	14	18	18
18:00	0	1	1	1	1	0	1	0	0	1	2	1	1	1	2	2	1	2	2	0	2	2	3	2	3	2	3	3
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.27 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN MARCH

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	1	0	0	0	1	0	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	2	2	3	2	3
07:00	2	2	2	2	3	2	2	3	3	3	4	4	4	4	5	4	6	6	7	5	7	8	8	7	8	9	10	12	13	14	16
07:30	10	12	12	11	11	11	10	15	16	15	16	17	19	16	19	17	20	21	26	17	25	24	28	24	24	27	33	34	38	40	39
08:00	30	36	34	33	33	34	26	44	42	39	44	44	47	45	47	41	50	51	64	52	55	58	60	57	55	61	72	71	79	83	80
08:30	67	71	69	70	70	72	55	88	87	78	86	89	90	82	96	83	91	97	116	77	103	107	114	111	101	115	129	127	143	146	145
09:00	123	131	130	122	125	131	80	148	155	135	265	155	132	151	159	143	149	163	181	120	173	169	183	173	160	188	204	200	231	229	219
09:30	198	203	156	183	194	199	111	229	223	207	231	237	214	245	239	215	227	252	290	232	252	240	265	215	235	270	290	284	322	326	272
10:00	286	270	254	271	274	277	155	317	293	288	320	329	338	338	334	295	300	342	370	183	333	326	351	359	312	363	384	376	419	421	373
10:30	367	366	302	338	356	340	178	400	369	368	420	425	415	392	448	370	379	413	419	269	414	388	439	364	402	428	464	462	508	510	476
11:00	441	448	408	414	429	419	177	471	453	438	497	507	487	435	438	429	448	489	411	291	502	393	514	299	481	507	475	541	582	578	554
11:30	505	493	514	460	493	474	282	532	494	492	546	568	536	537	541	479	494	530	503	267	447	401	493	429	540	572	512	594	636	627	587
12:00	553	461	425	510	518	507	382	578	530	524	594	611	580	569	493	523	526	545	557	452	373	532	390	347	577	611	572	628	673	660	609
12:30	571	468	515	499	530	517	406	594	536	542	612	631	598	596	459	546	562	578	587	343	279	565	383	457	578	518	488	643	684	674	618
13:00	563	373	501	480	535	551	265	590	333	547	612	495	594	591	526	542	574	583	515	343	473	565	332	460	569	493	441	641	678	662	574
13:30	524	306	466	469	512	532	202	564	513	519	583	596	562	506	386	513	546	556	511	254	433	537	325	439	545	545	465	608	655	633	565
14:00	493	248	415	437	470	422	273	511	483	476	536	534	492	437	332	463	488	505	378	531	478	488	317	441	502	544	387	554	599	581	493
14:30	431	358	345	392	407	290	312	428	413	421	466	435	428	419	289	399	426	395	372	456	432	439	279	425	438	455	466	479	510	511	379
15:00	350	337	250	326	332	223	230	355	332	346	375	340	349	356	361	342	347	302	364	347	338	357	221	365	360	345	333	390	409	404	316
15:30	259	239	198	228	246	242	229	269	246	263	270	215	263	269	226	252	266	247	235	274	216	267	111	260	267	288	301	300	332	331	260
16:00	174	118	136	153	166	172	183	182	167	179	181	141	183	189	138	174	182	188	127	212	178	182	113	180	188	197	229	213	233	235	171
16:30	105	59	81	93	99	93	108	103	100	107	128	120	117	105	112	105	112	115	71	129	98	111	70	110	121	108	103	136	147	146	110
17:00	52	18	41	47	49	39	52	54	50	55	62	62	60	56	58	55	62	55	33	66	61	58	28	57	68	68	75	74	82	66	56
17:30	18	6	16	17	19	13	20	21	20	22	26	25	24	22	23	24	25	25	20	23	26	24	12	24	29	27	28	34	38	29	29
18:00	4	1	4	4	4	2	4	5	5	5	6	6	6	6	6	6	7	7	7	5	7	7	4	8	9	8	8	10	12	8	10
18:30	0	0	0	0	0	0	0	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.28 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN APRIL

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
06:00	1	0	1	0	1	0	1	0	1	1	1	1	1	1	1	2	2	1	2	2	2	2	3	2	2	2	4	1	4	3
06:30	2	4	3	4	4	5	5	5	6	6	5	7	8	7	7	7	8	10	10	11	10	12	10	14	13	7	15	4	15	13
07:00	14	15	16	16	17	19	21	19	23	22	18	21	24	23	25	24	26	27	29	32	30	35	32	37	37	31	42	12	40	33
07:30	35	38	40	43	46	51	49	46	56	52	42	50	57	53	56	55	59	59	63	67	64	76	68	75	82	74	84	23	81	70
08:00	72	62	80	85	94	105	97	91	109	99	83	93	107	102	106	104	120	108	113	122	118	131	130	134	146	124	149	43	141	127
08:30	128	105	141	153	165	171	163	152	183	165	140	166	177	169	177	174	181	180	185	198	187	212	211	211	215	212	233	78	225	200
09:00	202	131	217	236	256	255	246	233	277	245	212	251	266	253	263	260	271	267	279	289	273	313	286	298	308	335	334	128	317	289
09:30	288	124	298	328	358	354	340	328	358	295	301	343	364	345	357	348	363	371	382	381	373	416	399	380	375	395	444	151	410	375
10:00	378	353	399	418	460	447	432	423	444	312	385	432	456	438	448	440	455	466	477	477	459	518	503	475	487	443	533	241	505	466
10:30	461	280	447	513	548	533	518	510	533	337	461	513	541	523	534	522	524	538	561	563	548	613	591	583	569	604	602	277	592	545
11:00	527	417	479	570	620	606	593	579	604	302	525	584	609	597	601	586	569	606	619	619	512	683	656	644	624	687	635	349	654	611
11:30	580	439	439	619	676	651	642	632	665	376	572	644	661	653	654	635	616	661	579	671	661	733	721	665	537	740	703	459	533	665
12:00	605	357	412	652	714	707	670	669	682	443	596	666	696	691	688	668	656	696	727	710	691	765	710	442	531	771	750	299	420	692
12:30	625	380	436	659	726	725	682	682	688	363	603	678	705	703	700	677	672	677	614	685	693	775	621	464	712	790	788	291	443	713
13:00	618	332	388	635	716	706	674	674	690	276	591	658	688	691	690	666	657	691	673	669	674	759	740	636	615	774	771	194	669	708
13:30	592	148	561	618	678	667	645	641	655	293	561	629	658	660	656	635	605	629	576	652	642	720	450	467	444	728	740	177	714	662
14:00	539	153	449	579	622	594	593	593	614	318	508	577	600	611	602	582	560	482	533	603	562	667	596	449	297	554	593	109	648	565
14:30	473	117	416	501	546	515	519	523	539	334	446	508	525	541	530	511	492	397	493	534	504	593	539	337	221	383	424	76	567	420
15:00	394	66	342	422	456	424	429	432	433	262	367	426	440	451	446	423	419	413	449	435	426	492	435	398	270	246	474	74	477	204
15:30	300	54	246	322	354	335	330	338	298	220	281	330	347	352	351	332	332	349	354	325	322	386	205	296	211	148	385	74	372	11
16:00	215	81	158	227	252	235	235	239	210	138	197	234	249	252	252	237	239	227	243	246	233	284	112	218	146	84	277	47	272	16
16:30	132	78	115	145	161	150	151	148	110	67	123	151	161	165	164	152	154	126	159	158	136	187	85	167	106	83	191	35	180	70
17:00	67	46	66	80	90	87	86	83	53	37	67	85	91	93	94	87	89	90	89	96	86	109	73	100	69	57	105	20	106	40
17:30	25	23	29	36	42	39	40	38	29	17	32	40	43	44	44	42	43	50	44	47	42	54	30	41	38	30	53	10	54	30
18:00	7	8	10	12	14	13	14	13	15	4	11	15	16	16	17	16	17	17	17	18	15	21	11	21	17	15	18	3	22	14
18:30	1	1	1	2	2	2	2	3	3	1	2	3	3	4	3	3	3	4	4	4	4	5	3	5	4	4	5	2	6	3
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	1	1	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.29 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN MAY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
05:30	0	0	0	1	0	0	1	1	0	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	1	2	2	2	2	2	2
06:00	4	4	4	4	5	4	4	4	4	6	6	7	7	7	8	8	9	8	9	8	9	10	9	11	7	10	10	9	9	11	11
06:30	13	16	17	18	17	14	15	18	12	21	23	22	24	23	26	26	28	27	28	25	25	29	29	33	22	31	33	27	27	32	29
07:00	36	40	41	43	44	38	37	42	28	49	52	52	51	52	57	57	60	60	61	55	55	67	63	69	56	68	71	58	54	70	64
07:30	74	80	83	89	85	78	72	80	51	91	100	98	100	99	106	104	113	112	111	100	102	128	115	135	91	125	129	116	94	131	118
08:00	130	139	138	113	145	133	117	134	74	152	164	167	152	167	177	173	189	186	184	167	170	213	188	200	162	201	203	139	143	182	197
08:30	205	213	220	208	223	199	194	206	136	229	240	250	166	255	270	267	279	280	280	251	259	319	287	302	248	288	292	160	211	204	289
09:00	297	307	305	262	313	273	280	288	231	327	332	342	281	353	375	372	376	378	383	347	361	425	390	416	365	389	393	245	261	266	394
09:30	399	407	394	450	407	350	358	380	339	413	428	437	334	455	481	474	463	456	476	447	469	529	484	392	516	495	494	215	360	376	497
10:00	490	502	492	540	498	289	444	471	429	507	504	536	484	561	578	572	583	548	578	543	567	592	571	482	610	594	588	238	486	562	594
10:30	555	590	575	608	574	410	528	549	508	592	578	622	376	644	664	659	670	625	666	626	649	645	629	625	693	675	667	501	520	629	672
11:00	583	662	636	493	638	156	587	602	570	658	621	684	603	709	731	725	723	698	724	689	710	722	687	737	752	739	727	606	551	650	734
11:30	610	702	687	728	674	474	639	632	619	704	683	732	592	761	778	774	739	762	780	741	765	695	744	768	789	787	778	688	517	705	775
12:00	688	718	719	749	705	271	678	657	655	725	715	768	685	792	801	805	772	791	823	777	792	666	786	755	805	809	791	639	501	734	786
12:30	717	728	699	766	644	282	684	683	666	735	716	775	634	798	811	821	807	815	827	786	800	733	782	806	787	814	796	693	479	618	776
13:00	710	728	716	757	608	215	667	674	649	715	692	761	497	775	797	806	799	805	756	768	777	788	738	764	746	776	778	628	708	564	756
13:30	677	689	676	706	678	238	633	641	625	673	664	727	481	706	748	764	769	764	567	726	742	726	690	676	709	738	739	496	644	435	712
14:00	630	638	612	655	627	476	579	593	577	619	608	664	468	683	691	706	709	711	415	676	694	654	662	649	657	675	672	508	474	473	649
14:30	553	561	541	569	545	527	514	520	519	549	524	590	367	604	621	626	653	636	340	604	623	600	543	525	603	605	595	400	443	519	576
15:00	459	469	454	484	461	436	430	429	445	466	443	500	283	509	531	533	586	545	320	519	539	423	436	482	514	515	499	272	400	332	492
15:30	347	372	356	384	363	220	340	334	357	375	364	405	157	408	423	427	165	436	355	413	430	395	398	418	414	416	410	198	279	391	397
16:00	260	274	253	280	267	46	246	217	265	275	272	298	216	312	315	322	75	298	310	312	325	261	310	280	314	317	309	125	218	202	302
16:30	179	182	169	190	174	8	162	118	183	188	194	204	216	206	213	221	124	243	222	215	225	199	217	209	223	226	219	74	179	163	211
17:00	106	109	102	113	96	3	98	60	112	114	123	125	119	129	134	138	72	144	133	134	143	132	162	143	143	146	138	42	104	124	136
17:30	55	57	54	58	51	3	52	34	59	59	67	67	63	70	72	75	45	78	81	73	80	74	93	80	81	84	57	27	61	84	77
18:00	23	24	23	24	20	6	22	13	26	27	30	30	28	31	32	35	28	33	35	34	37	35	48	38	40	41	31	13	28	43	38
18:30	6	7	6	7	6	4	7	4	8	8	10	9	8	10	11	11	8	12	12	11	13	12	15	12	14	15	10	6	10	15	15
19:00	0	1	1	1	1	0	1	0	1	1	1	2	1	2	1	2	2	3	3	3	2	3	2	3	3	3	3	1	2	3	3
19:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.30 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN JUNE

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0
05:30	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	1	2	2	1	1	2
06:00	11	11	10	12	10	11	12	12	11	12	11	10	11	12	12	12	12	11	12	11	11	11	11	11	9	10	10	7	10	8
06:30	29	31	32	33	29	33	33	34	32	32	34	30	31	53	34	34	35	35	34	34	35	34	33	31	29	31	31	22	27	26
07:00	64	67	71	70	60	70	72	74	67	72	70	64	68	71	73	75	75	71	76	72	75	76	72	68	64	69	69	48	58	58
07:30	119	126	127	129	111	124	129	134	123	134	126	117	123	129	131	135	133	121	134	126	133	125	129	120	120	125	124	92	108	109
08:00	194	203	207	206	177	199	210	218	197	215	202	195	201	205	206	210	211	215	208	204	210	209	201	193	190	195	197	142	171	172
08:30	283	292	302	299	263	290	307	316	289	310	291	278	292	298	298	306	305	306	297	295	307	302	292	279	277	278	282	258	248	245
09:00	381	381	407	398	365	393	413	421	395	404	390	366	391	400	401	412	403	406	397	393	408	403	390	377	377	374	378	337	332	333
09:30	474	486	514	499	467	497	512	523	502	502	485	468	495	496	507	520	502	515	495	495	506	506	494	477	480	474	468	420	423	414
10:00	563	585	605	597	552	597	599	610	600	602	565	551	589	588	608	612	598	610	590	590	604	600	589	573	572	562	558	504	503	464
10:30	639	644	682	683	627	688	692	694	680	684	619	606	669	665	693	697	671	683	672	674	683	679	672	654	646	635	643	624	565	575
11:00	732	735	748	749	687	757	770	759	743	747	693	678	730	724	750	761	728	741	733	738	735	734	740	717	710	694	699	690	627	638
11:30	769	783	789	791	731	802	815	809	785	789	735	727	773	764	791	806	757	784	774	780	756	773	788	768	748	737	744	747	656	674
12:00	780	803	811	810	761	820	848	836	808	814	764	768	798	796	800	826	795	802	801	810	751	809	811	799	768	767	772	772	680	710
12:30	802	805	816	812	766	824	843	833	807	817	753	679	806	796	802	826	804	820	804	812	759	804	815	802	764	769	778	766	612	720
13:00	785	718	792	789	746	802	816	805	784	794	754	744	794	774	791	806	782	801	783	787	736	789	798	782	746	760	758	752	665	671
13:30	739	701	744	741	709	763	772	763	739	751	714	699	736	734	753	760	744	760	740	750	705	753	760	743	711	719	718	711	644	675
14:00	677	577	681	681	642	702	701	702	680	685	650	648	676	681	697	685	681	693	669	692	659	618	701	678	665	660	650	652	576	624
14:30	604	373	592	606	564	621	621	619	604	616	561	576	588	608	623	614	614	621	602	613	594	482	625	605	599	585	575	579	535	538
15:00	515	414	513	522	468	536	508	529	519	524	492	488	419	522	537	528	526	534	513	527	531	548	536	525	514	493	493	497	459	450
15:30	422	355	418	422	324	436	413	425	423	421	397	406	370	440	441	431	429	438	417	432	443	430	442	430	425	415	412	408	288	259
16:00	322	276	320	325	224	322	312	331	325	325	308	340	264	324	344	335	338	340	327	335	347	211	341	335	334	320	321	318	74	60
16:30	227	149	226	230	187	235	219	241	235	233	225	233	213	146	249	242	240	248	239	243	253	50	246	245	247	232	235	231	4	14
17:00	147	57	143	149	107	151	143	156	153	154	149	149	147	26	165	162	163	166	160	162	170	55	164	166	166	156	157	153	2	12
17:30	85	44	81	85	65	87	85	90	89	90	89	85	74	19	99	96	98	100	97	99	102	61	100	101	101	96	93	90	6	14
18:00	41	34	40	42	33	44	41	45	45	45	45	41	36	21	51	49	50	52	49	51	52	35	53	53	50	50	49	39	7	21
18:30	16	14	15	16	16	17	16	18	18	19	19	17	15	14	21	21	21	22	21	22	22	19	22	22	19	21	22	13	7	12
19:00	4	3	3	3	4	4	4	4	5	5	5	4	4	4	5	5	6	6	6	5	6	6	6	6	5	6	5	2	4	3
19:30	0	0	1	1	0	0	1	1	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	0	0	1	1	1	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.31 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN JULY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	1	2	1	1	0	0	1	2	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	1	1	1	0	0	1	0
06:00	9	9	6	9	3	6	5	8	8	7	4	4	7	4	4	3	2	6	6	5	5	6	6	5	6	3	4	5	4	4	4
06:30	26	28	25	27	7	16	16	25	23	25	11	18	26	20	11	11	8	22	22	14	21	21	21	20	20	14	19	18	19	16	19
07:00	58	62	59	60	18	34	32	47	34	60	30	38	58	53	31	29	22	53	48	40	51	52	54	50	52	36	50	49	44	45	48
07:30	105	109	105	109	24	53	66	85	60	113	47	46	103	88	63	73	68	100	102	94	99	103	101	96	102	67	98	85	83	89	96
08:00	164	176	168	178	23	123	109	170	104	158	78	147	195	139	112	122	92	167	171	143	170	172	170	165	170	158	157	119	147	151	161
08:30	236	264	249	265	25	190	134	253	120	231	152	264	270	215	231	180	136	248	227	151	258	261	255	252	253	234	241	225	233	221	250
09:00	328	360	341	360	39	215	185	340	197	343	275	349	344	289	304	279	266	343	355	220	328	358	352	349	341	325	349	338	346	314	347
09:30	427	449	431	442	79	459	275	465	308	340	384	446	454	307	462	275	335	447	461	277	437	454	448	442	439	361	452	430	443	427	448
10:00	510	541	523	493	137	574	386	547	346	525	470	536	565	345	581	416	371	546	560	343	552	550	535	488	531	445	552	553	536	529	534
10:30	576	616	611	603	242	696	351	640	432	563	671	635	601	409	646	342	611	627	647	646	638	632	613	607	615	476	635	588	631	583	612
11:00	645	678	673	628	270	725	269	698	443	555	711	694	614	534	585	746	682	699	715	413	706	694	680	676	673	555	703	663	687	550	683
11:30	691	711	729	658	343	789	329	548	455	730	756	750	758	746	695	763	728	761	772	511	750	740	728	726	722	458	750	727	734	741	729
12:00	698	731	754	682	549	783	382	201	742	837	754	785	797	784	779	783	758	689	783	650	777	773	767	750	764	786	787	756	769	434	757
12:30	677	745	753	500	596	857	591	352	647	731	759	794	503	893	828	764	769	534	812	622	783	784	738	758	769	785	803	764	789	746	774
13:00	687	725	734	607	396	816	480	169	844	826	782	794	245	704	811	729	770	680	812	508	760	770	745	737	748	760	778	762	627	686	775
13:30	663	699	661	681	267	778	311	156	789	723	742	734	508	810	678	694	655	653	254	680	720	699	702	717	713	727	658	709	208	353	727
14:00	615	642	572	605	514	743	647	117	727	411	678	697	399	699	383	632	616	388	129	572	675	610	629	591	641	637	661	490	173	333	674
14:30	548	558	360	575	538	620	567	209	656	320	601	634	398	522	99	601	522	394	79	563	603	588	590	600	565	623	589	199	368	565	593
15:00	478	488	277	487	375	357	248	556	573	431	521	505	261	503	103	513	427	233	99	474	517	458	525	513	495	488	474	137	334	492	505
15:30	384	382	237	394	317	252	113	429	304	459	433	438	235	383	131	379	361	130	250	320	430	360	326	420	403	301	408	164	121	425	416
16:00	288	292	186	322	275	141	109	227	205	386	346	339	126	255	246	317	329	94	293	233	330	259	315	325	311	260	322	97	66	295	318
16:30	199	222	172	232	174	121	127	177	38	196	198	253	154	63	206	249	242	41	190	71	234	211	234	235	224	146	231	98	43	186	231
17:00	101	149	144	152	115	49	109	107	24	32	141	104	100	85	94	136	165	25	109	44	158	133	155	154	150	89	152	70	44	128	145
17:30	54	84	96	88	67	32	73	65	24	2	59	72	93	37	39	67	94	20	62	39	92	84	91	90	89	74	90	49	68	86	79
18:00	31	40	51	47	39	12	36	31	16	1	23	50	33	12	14	32	40	26	35	29	47	44	42	45	44	40	41	28	36	41	40
18:30	13	16	16	20	17	5	17	13	9	1	11	20	10	3	7	4	14	16	13	13	18	18	15	18	17	14	4	8	12	14	13
19:00	4	4	3	5	4	1	2	4	3	0	2	5	2	0	3	1	3	4	4	3	5	4	4	4	4	4	1	2	3	2	3
19:30	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.32 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN AUGUST

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	3	2	2	3	2	3	3	3	3	3	3	2	2	2	3	3	3	3	2	1	2	2	2	2	1	1	2	2	1	1	
06:30	10	6	6	6	13	17	16	14	15	16	15	13	12	14	12	13	13	12	10	4	8	9	9	8	7	9	9	10	10	10	
07:00	30	16	21	14	34	44	45	41	41	42	44	35	36	42	31	42	39	39	29	17	27	29	33	22	16	33	24	33	34	34	
07:30	72	46	43	30	55	90	90	86	85	88	93	83	81	85	75	90	86	85	59	41	39	67	77	46	26	77	66	72	79	78	
08:00	145	89	62	59	144	158	166	152	152	154	163	145	128	142	145	159	153	148	85	79	45	125	124	92	47	149	136	135	142	143	
08:30	178	117	72	83	247	244	204	231	240	242	252	230	230	228	244	245	236	228	119	97	83	214	163	192	101	246	218	215	225	222	
09:00	207	132	84	132	348	336	299	326	346	351	352	334	322	326	347	342	332	324	217	159	139	242	245	303	244	285	313	311	323	312	
09:30	373	172	193	116	451	441	424	431	454	460	457	452	423	433	436	450	433	426	276	175	247	336	329	413	422	408	423	413	425	409	
10:00	391	227	316	106	548	540	350	523	548	564	550	539	521	528	547	548	523	515	277	218	291	485	130	525	516	455	525	511	522	508	
10:30	413	353	406	180	628	620	625	594	640	647	627	612	600	606	635	636	615	574	586	202	553	462	81	587	602	619	618	585	605	598	
11:00	462	383	306	360	704	687	714	672	708	715	685	692	679	690	710	706	685	668	670	261	748	517	107	434	688	720	695	620	681	665	
11:30	513	389	208	440	758	736	671	741	751	759	722	725	726	755	756	748	736	709	729	294	751	525	268	436	602	717	750	625	730	697	
12:00	487	400	289	765	788	766	468	781	787	784	742	647	748	783	787	783	755	705	670	508	680	345	242	490	511	800	605	643	755	728	
12:30	478	511	507	776	719	782	167	818	804	807	739	751	743	791	787	782	758	746	670	615	464	353	157	824	518	325	761	682	747	729	
13:00	540	565	654	688	762	749	104	791	794	791	709	724	733	600	754	768	732	731	495	478	355	230	289	430	495	222	673	673	727	699	
13:30	400	451	687	660	723	702	151	738	752	751	664	704	684	560	698	723	542	678	447	409	427	145	267	150	504	197	440	607	691	657	
14:00	510	448	492	378	685	651	141	655	692	655	653	508	631	583	643	663	414	617	483	359	425	155	288	95	650	201	466	565	629	595	
14:30	521	502	470	609	610	484	347	527	610	602	600	390	558	506	568	585	384	544	467	463	527	173	281	68	557	273	467	466	543	510	
15:00	391	255	391	510	511	507	520	469	519	464	513	432	494	384	490	483	254	467	457	459	370	211	387	105	477	263	406	389	451	428	
15:30	327	144	222	421	376	406	436	380	419	415	411	249	397	205	405	378	291	384	363	356	329	196	269	169	367	71	341	321	351	333	
16:00	186	109	102	210	300	310	314	233	316	282	307	143	299	126	321	281	258	237	249	272	310	88	101	216	168	62	245	254	245	237	
16:30	161	75	125	125	221	213	220	175	215	207	213	104	202	101	213	194	183	192	123	179	205	102	130	145	72	47	161	151	164	153	
17:00	101	62	80	66	140	123	140	102	138	142	128	101	125	56	142	117	94	103	45	101	118	73	93	90	23	32	93	29	92	90	
17:30	48	47	44	28	78	64	80	78	76	77	72	63	69	28	77	64	45	30	18	58	58	44	44	46	4	19	47	36	44	43	
18:00	12	30	14	20	34	33	37	35	34	34	32	26	29	12	34	27	18	15	11	23	21	18	17	17	2	7	17	15	16	15	
18:30	6	10	4	7	11	11	11	10	11	11	9	4	9	4	9	8	6	2	4	5	4	4	4	4	2	2	3	3	2	2	
19:00	2	2	1	2	2	2	2	2	2	2	2	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.33 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN SEPTEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0
06:30	9	8	3	8	8	7	7	8	7	7	7	6	3	3	3	4	3	4	3	5	2	1	1	1	2	3	4	3	3	4
07:00	32	30	9	29	30	28	27	28	28	27	24	24	16	10	10	10	11	18	14	21	13	3	3	4	7	17	17	17	17	16
07:30	74	66	23	68	69	62	65	68	69	65	57	56	34	28	15	30	25	27	34	55	31	7	6	11	35	45	47	46	49	46
08:00	134	123	49	126	126	117	122	130	128	121	109	111	83	39	48	91	76	28	33	110	71	27	14	36	89	88	92	92	98	96
08:30	212	196	109	203	201	191	196	210	202	194	175	171	131	42	80	193	74	76	107	185	139	87	42	42	134	152	157	155	164	166
09:00	295	275	189	296	295	275	284	303	292	283	255	264	163	84	148	290	104	108	204	276	259	89	77	62	159	224	236	235	243	250
09:30	390	373	300	393	389	376	366	398	389	379	342	363	168	69	130	357	248	75	248	373	189	93	76	63	263	303	322	325	331	342
10:00	487	441	372	405	485	471	355	491	474	466	429	451	195	113	135	490	331	87	351	442	148	116	108	159	256	388	406	412	418	433
10:30	576	534	507	496	563	538	465	573	557	545	497	538	264	163	315	584	553	196	491	376	208	150	127	205	215	443	483	489	500	515
11:00	645	616	574	609	633	593	621	636	622	607	561	602	332	238	344	669	607	298	416	339	358	228	128	319	203	503	546	550	564	577
11:30	662	662	629	588	680	639	621	686	667	645	592	645	369	233	648	546	400	524	402	530	455	126	102	211	262	561	585	595	602	619
12:00	694	684	667	674	709	672	695	710	683	650	638	666	357	197	714	729	481	639	108	503	453	113	112	340	323	622	601	621	619	639
12:30	710	695	696	711	708	682	683	709	678	645	650	662	355	313	706	724	447	543	10	368	287	85	193	227	320	592	598	616	609	628
13:00	685	675	677	684	680	659	661	685	659	641	621	638	433	363	668	625	482	506	361	411	405	68	271	285	343	582	592	591	580	580
13:30	633	632	619	641	639	613	617	636	613	589	563	585	406	221	640	638	584	540	565	441	398	62	86	62	336	545	535	542	537	507
14:00	536	567	533	570	569	545	502	576	545	523	498	524	353	249	509	523	532	402	490	426	229	41	82	281	318	441	471	476	435	445
14:30	486	489	484	488	477	462	471	487	457	434	424	438	377	194	446	361	457	420	473	363	180	38	97	350	398	347	357	392	363	372
15:00	397	401	404	402	406	380	389	378	364	340	350	342	273	188	372	214	357	234	377	297	90	34	66	321	265	307	278	304	270	288
15:30	319	307	312	309	313	305	280	281	274	256	272	241	215	228	280	215	257	237	273	254	36	40	26	240	170	219	216	214	200	210
16:00	224	217	223	217	218	221	89	72	191	175	190	183	175	168	194	122	172	173	181	166	23	32	32	159	113	144	138	136	136	136
16:30	150	139	146	141	135	138	33	15	120	109	120	111	108	102	120	98	100	95	105	93	10	14	12	91	66	84	78	76	77	77
17:00	88	79	84	80	76	78	70	9	66	62	66	55	57	50	62	56	55	53	52	21	5	3	6	42	33	39	37	34	36	35
17:30	43	36	39	33	35	35	27	13	29	27	28	24	23	22	22	20	20	19	19	2	3	1	3	14	11	13	12	11	11	10
18:00	14	12	13	11	11	10	9	2	8	7	8	6	4	4	4	4	4	3	4	1	0	1	1	2	2	2	1	1	1	1
18:30	3	2	2	2	2	2	1	1	1	1	1	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
19:00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.34 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN OCTOBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	3	3	3	3	3	2	2	2	2	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	0
07:00	18	17	15	15	14	9	9	14	13	11	8	4	5	9	10	8	9	8	8	8	7	7	5	6	6	4	4	5	6	4	5
07:30	48	45	43	41	41	37	28	38	37	34	21	12	12	30	29	26	29	29	28	27	28	27	10	23	23	16	17	20	21	17	20
08:00	97	95	91	83	79	96	64	86	75	73	13	21	29	67	65	58	65	63	64	60	64	60	17	52	55	25	40	49	49	39	48
08:30	169	164	158	144	98	159	126	157	135	109	82	38	43	121	117	102	118	114	115	110	109	90	56	94	100	46	72	91	92	76	93
09:00	252	251	232	217	137	225	174	240	231	183	143	26	53	189	183	167	187	180	179	170	162	89	104	131	159	100	116	168	144	119	150
09:30	344	343	313	302	237	308	244	329	288	206	195	87	73	260	255	243	263	255	250	239	229	95	106	220	228	169	139	226	213	177	212
10:00	431	430	395	381	308	395	381	406	377	303	222	231	95	254	331	307	339	333	319	306	297	62	91	291	298	225	209	281	281	239	278
10:30	509	505	439	436	430	467	402	479	467	319	285	299	114	370	405	376	410	399	380	371	365	298	174	355	365	338	307	364	343	282	344
11:00	564	570	517	497	532	455	519	543	532	384	386	163	176	473	464	428	467	455	430	421	402	375	276	411	417	375	356	319	395	334	394
11:30	603	610	562	467	557	446	570	581	567	436	373	305	328	450	498	446	501	491	458	454	397	360	364	449	402	428	325	343	394	373	413
12:00	623	629	570	387	569	448	598	598	584	437	394	309	308	386	517	466	517	508	472	466	404	256	460	466	386	423	425	342	211	285	426
12:30	619	612	494	529	598	491	586	586	575	331	419	251	280	346	510	463	509	502	465	458	459	321	459	436	352	443	411	244	285	287	420
13:00	595	581	411	491	572	377	555	546	540	386	355	266	515	342	479	428	478	472	438	432	427	273	437	436	380	415	392	262	190	322	396
13:30	539	527	495	534	438	339	504	487	463	449	295	318	472	370	433	398	428	421	390	386	382	268	394	391	372	328	356	215	128	302	341
14:00	466	462	439	372	324	298	436	427	376	385	274	328	149	319	368	345	364	353	330	324	309	125	335	331	279	254	298	133	211	239	289
14:30	382	377	346	262	268	246	354	353	297	274	258	249	90	264	291	279	290	280	259	256	244	35	263	259	245	196	202	113	154	186	220
15:00	292	293	202	276	195	166	271	264	235	177	173	248	199	188	214	208	216	206	189	186	180	18	190	187	178	132	154	123	108	126	162
15:30	204	207	193	194	146	112	189	183	160	125	76	131	133	118	143	141	146	138	126	124	117	12	126	123	113	54	101	95	64	90	103
16:00	131	131	122	106	74	95	120	106	102	84	30	62	87	50	85	82	87	81	73	71	61	10	72	71	63	29	55	56	24	49	58
16:30	74	73	63	65	40	46	65	55	54	50	19	4	38	23	42	41	43	39	34	34	31	6	33	32	29	11	23	25	12	22	24
17:00	32	32	28	27	17	19	27	23	22	19	6	9	8	7	16	15	15	13	12	11	10	1	11	10	8	3	7	8	4	7	7
17:30	10	9	8	8	5	3	6	6	5	4	0	1	3	2	2	2	2	3	2	2	1	0	1	2	1	0	1	1	0	0	0
18:00	1	1	1	1	0	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.35 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN NOVEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
07:00	5	5	5	4	4	3	1	1	2	3	3	3	3	3	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	0
07:30	20	20	19	18	17	16	5	5	8	16	16	15	14	12	13	9	8	6	11	10	10	9	8	8	9	7	8	7	6	5
08:00	49	49	48	46	40	41	15	13	15	41	41	41	38	33	33	20	24	19	32	33	32	29	25	28	27	24	24	22	19	18
08:30	94	95	90	85	78	79	28	25	48	81	83	80	75	68	65	30	55	39	64	66	67	62	53	60	56	51	57	47	41	44
09:00	151	153	146	139	127	128	79	44	101	134	139	130	129	109	108	47	86	57	110	112	115	110	84	103	97	91	95	82	72	77
09:30	217	218	207	200	187	182	144	55	177	195	197	193	189	161	156	75	138	106	162	165	174	115	127	155	149	142	145	126	111	117
10:00	281	282	253	263	249	248	171	54	119	246	255	255	244	214	211	114	185	138	216	222	237	87	179	191	202	195	204	172	155	169
10:30	346	338	342	319	306	299	260	57	67	300	304	309	299	265	259	142	217	154	264	273	291	129	233	240	249	240	254	221	199	217
11:00	395	377	337	369	355	345	327	103	47	345	346	355	346	306	292	206	271	180	305	320	317	134	271	294	289	284	290	263	234	254
11:30	425	409	239	402	384	366	296	78	93	371	375	387	375	333	317	250	264	324	338	340	340	101	296	325	317	305	310	301	260	280
12:00	434	421	204	414	395	364	218	57	71	380	387	394	385	344	330	312	281	305	347	356	352	110	298	331	329	313	317	312	272	288
12:30	419	407	396	398	388	343	262	113	81	372	375	374	370	336	312	306	268	276	335	340	337	124	294	328	322	297	314	309	267	270
13:00	395	382	273	369	359	307	298	119	104	343	352	340	353	311	295	284	292	257	311	285	304	134	277	310	298	298	291	283	249	227
13:30	351	319	321	322	310	229	274	80	193	299	310	293	310	274	260	247	203	233	275	199	236	130	240	273	262	265	251	239	220	194
14:00	288	265	270	266	254	226	194	89	184	242	255	227	257	224	217	201	158	189	226	161	212	124	198	221	215	220	204	200	178	165
14:30	224	199	202	203	191	174	146	66	115	184	195	163	193	163	170	153	86	160	172	118	171	108	147	167	160	165	155	149	133	123
15:00	158	144	133	143	133	112	110	41	33	128	137	131	129	115	118	104	43	112	118	86	119	89	103	112	111	115	95	102	92	87
15:30	99	95	79	87	83	79	79	24	25	79	85	84	74	70	74	61	24	67	73	61	73	55	63	70	67	69	62	63	54	52
16:00	54	50	45	47	45	41	42	9	13	42	44	43	39	35	38	32	13	35	37	32	38	27	31	34	33	34	30	29	26	25
16:30	23	21	19	19	17	15	15	6	5	16	17	17	16	12	14	12	6	13	14	11	14	10	11	11	11	13	11	11	10	9
17:00	6	5	5	5	5	4	3	1	2	3	4	3	4	2	3	3	1	2	2	2	2	1	2	3	2	2	2	2	1	1
17:30	0	1	0	0	0	0	1	0	0	1	0	1	0	1	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	1
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.36 UV DATA BASE - 1974 EL PASO, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN DECEMBER

DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
TIME																															
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	1	1	1	1	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
07:30	6	5	5	3	2	5	5	1	1	3	3	3	4	4	3	3	2	3	2	3	2	3	3	3	1	2	1	2	2	1	1
08:00	18	14	18	15	7	18	17	3	5	14	13	15	12	13	11	12	11	12	11	10	11	11	10	9	4	6	4	8	11	3	9
08:30	36	31	42	33	25	41	41	6	14	32	29	35	30	32	27	30	29	28	28	26	26	29	27	26	12	16	11	21	29	5	26
09:00	66	54	77	68	51	75	70	14	28	61	54	66	61	59	55	57	54	52	58	52	51	57	55	54	27	33	24	41	60	13	52
09:30	118	88	119	112	95	116	107	18	40	97	78	104	100	93	92	89	83	89	89	82	81	89	87	84	27	60	46	67	82	38	83
10:00	170	119	168	161	149	165	151	25	44	137	133	145	132	134	135	125	115	131	114	111	109	128	123	118	37	83	62	102	102	96	120
10:30	216	162	212	203	180	211	189	31	69	178	196	189	168	172	171	161	150	148	160	150	152	168	161	156	39	133	83	136	192	143	159
11:00	252	197	256	225	235	252	220	26	75	208	226	230	205	208	203	204	181	159	195	189	192	208	194	191	52	188	87	222	243	130	193
11:30	284	209	285	242	258	278	241	28	109	203	251	266	226	238	227	231	199	182	132	215	221	237	217	218	53	238	113	275	276	204	221
12:00	276	270	291	260	256	291	246	32	94	211	257	286	238	257	237	244	223	201	97	223	242	255	232	231	46	183	141	309	302	114	228
12:30	275	267	288	266	279	287	251	51	69	247	256	274	248	252	234	254	217	189	69	221	251	259	230	222	46	179	142	313	284	60	213
13:00	260	233	271	254	259	266	245	66	68	239	236	262	242	226	219	236	202	157	56	211	234	248	201	168	37	214	138	271	254	56	165
13:30	218	151	232	217	227	233	216	54	73	212	211	189	208	171	192	207	186	169	112	194	210	221	155	169	31	175	111	260	230	100	154
14:00	148	129	186	177	187	190	177	35	62	167	173	148	170	111	159	172	159	123	122	163	180	180	136	139	25	192	110	179	203	51	142
14:30	114	116	139	134	136	141	136	29	50	125	131	122	141	115	121	129	123	106	110	123	137	138	106	123	18	151	91	134	143	55	116
15:00	73	77	94	72	91	98	94	22	42	91	90	89	97	85	82	89	88	87	85	84	95	96	74	83	19	101	77	115	96	36	92
15:30	44	46	57	43	57	59	57	12	18	55	56	55	60	50	51	54	54	50	53	50	57	60	49	53	15	60	46	73	57	28	59
16:00	20	25	29	28	28	29	28	5	10	27	28	27	30	26	26	27	28	25	27	27	29	30	26	25	8	31	24	36	32	24	29
16:30	6	9	10	10	8	11	9	2	4	9	10	10	11	9	10	10	9	10	11	10	10	11	11	10	4	11	11	14	13	11	12
17:00	1	2	2	1	2	1	2	1	1	2	2	2	3	2	2	2	2	2	2	2	3	3	2	2	1	3	2	3	3	2	3
17:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

FT. WORTH

TABLE A.37 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN JANUARY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	1	2	0	2	0	1
07:30	1	1	1	1	1	3	0	1	1	1	1	1	2	1	1	8	6	0	0	7	4	3	1	2	1	5	10	4	7	4	9
08:00	7	1	3	4	8	7	5	2	4	4	5	5	6	7	7	19	19	10	2	22	13	11	8	9	6	16	28	15	20	15	22
08:30	18	3	8	14	21	26	17	7	11	6	14	9	13	18	14	36	43	29	8	50	33	18	23	23	16	38	54	33	43	33	47
09:00	36	9	15	33	43	22	36	12	21	16	34	15	22	32	28	60	75	47	17	85	62	26	38	45	28	67	91	59	73	64	79
09:30	61	15	21	57	73	35	65	21	35	30	56	24	33	47	51	88	108	53	26	124	96	35	41	79	29	103	133	92	108	101	117
10:00	86	20	38	86	105	45	94	37	45	35	89	52	48	65	81	146	134	86	37	117	132	57	38	113	42	142	171	127	144	143	158
10:30	112	22	47	119	136	70	128	55	45	55	133	68	58	83	119	187	155	132	45	83	172	65	106	152	45	178	196	163	180	183	202
11:00	137	25	67	154	166	127	158	75	61	45	157	79	84	121	177	212	184	162	69	104	202	74	73	183	73	209	186	195	206	220	237
11:30	158	32	83	178	189	173	184	83	78	67	178	98	81	177	208	223	220	203	53	143	223	80	40	204	103	233	155	219	226	247	260
12:00	171	39	76	184	204	201	202	105	74	65	188	127	79	196	219	225	237	243	49	152	237	67	65	194	103	246	140	232	235	261	268
12:30	173	35	84	171	203	200	206	118	46	74	187	153	48	198	210	215	233	228	50	153	236	82	35	168	85	245	145	234	235	263	262
13:00	163	44	87	160	196	188	199	102	53	107	176	158	84	180	191	194	219	224	44	168	228	96	39	192	66	232	224	224	223	251	246
13:30	147	36	90	154	144	166	183	127	37	70	158	139	84	162	168	163	194	191	32	168	204	74	47	173	94	206	124	202	195	229	220
14:00	123	36	68	149	138	138	157	110	22	42	131	114	67	133	135	130	158	160	29	144	175	67	34	143	82	175	93	171	161	194	183
14:30	95	24	47	118	109	106	115	109	16	29	101	85	61	102	101	94	121	133	23	108	128	62	23	109	76	137	77	136	122	155	142
15:00	66	16	32	86	84	73	85	76	11	22	72	57	41	70	67	61	84	95	14	73	89	49	20	75	29	98	20	99	86	114	102
15:30	41	14	20	54	55	44	42	48	7	13	45	32	25	44	39	32	51	60	10	44	57	27	12	47	20	62	15	65	53	76	65
16:00	21	7	9	30	27	22	21	24	4	8	23	14	10	21	18	13	26	33	7	20	33	15	13	24	9	35	8	37	28	45	36
16:30	8	3	4	13	11	7	9	9	1	1	9	4	2	8	6	3	8	8	2	6	14	6	6	10	4	14	3	16	11	21	15
17:00	1	1	0	4	2	1	2	1	0	1	1	1	1	2	0	1	2	0	1	1	3	1	1	2	2	3	1	5	2	6	3
17:30	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.38 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN FEBRUARY

DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TIME																												
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0
07:00	1	1	0	1	0	0	2	2	1	2	1	0	1	0	1	3	5	2	6	3	0	2	4	3	7	5	3	6
07:30	3	7	3	8	4	7	9	7	4	10	5	2	6	2	10	10	20	6	20	13	1	13	17	13	22	16	10	18
08:00	16	22	13	23	15	19	22	20	14	29	19	12	19	4	34	18	43	27	44	32	10	33	38	31	46	40	30	44
08:30	36	46	31	50	39	30	38	43	32	57	43	30	47	15	64	32	80	50	81	65	12	66	79	60	81	75	60	77
09:00	66	78	58	85	71	61	49	73	59	96	76	59	90	19	93	43	122	109	126	103	38	106	128	99	120	120	100	115
09:30	103	115	93	129	96	97	81	109	92	141	116	98	95	34	147	81	167	134	176	146	10	156	177	143	167	171	148	161
10:00	147	156	132	174	150	132	96	146	127	188	158	144	109	65	193	203	219	238	227	196	29	208	221	189	214	225	201	219
10:30	188	195	175	215	185	189	132	183	166	212	210	192	157	83	221	269	265	246	273	246	47	259	270	232	253	272	243	258
11:00	225	227	211	250	227	188	152	215	203	233	255	226	129	119	254	301	289	310	308	286	46	301	308	266	288	310	283	286
11:30	251	248	239	275	265	224	162	235	232	250	286	259	139	112	256	316	326	315	327	318	39	333	335	294	309	337	323	299
12:00	267	259	257	285	283	223	162	244	250	245	301	283	143	128	265	314	328	306	329	336	32	350	345	305	317	350	336	307
12:30	270	258	258	285	289	240	171	243	260	259	304	312	152	149	258	299	316	208	320	336	43	351	337	303	309	348	344	306
13:00	260	242	247	265	270	185	168	229	254	220	292	317	122	144	241	270	293	227	283	319	59	333	311	289	284	327	312	301
13:30	240	215	230	237	244	177	182	202	238	179	268	302	146	138	213	232	256	186	248	283	109	302	275	261	254	294	321	279
14:00	208	180	200	198	225	146	155	167	208	197	234	268	132	117	177	184	215	121	220	244	129	263	229	224	213	252	253	233
14:30	169	140	165	157	181	124	119	131	172	165	192	228	120	88	138	136	164	70	170	159	63	212	177	180	166	201	217	187
15:00	129	101	124	112	134	83	79	93	130	122	148	181	72	62	99	93	118	27	125	92	30	161	126	133	118	149	148	138
15:30	88	65	85	74	81	61	33	60	91	81	102	131	41	44	63	55	74	5	77	82	24	111	83	90	77	102	104	90
16:00	54	36	52	41	48	32	24	33	55	49	62	88	36	30	33	26	39	6	42	47	22	68	48	53	42	60	80	52
16:30	25	15	25	18	24	14	8	15	28	23	33	51	17	15	13	9	15	2	19	17	14	35	21	27	19	31	46	24
17:00	9	3	9	5	9	3	2	5	11	6	12	24	5	5	4	1	4	1	5	6	4	13	6	10	5	11	19	9
17:30	1	1	2	0	2	1	0	0	3	1	3	8	2	0	0	0	0	0	0	1	1	3	1	2	1	2	5	2
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.39 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN MARCH

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	12	8	1	9	3	12	13	13	2	5	7	6	2	1	2	4	3	16	7	7	7	7	7	7	7	7	7	7	7	7	7
07:30	30	28	12	30	16	35	42	29	21	23	30	27	15	9	10	20	16	39	24	24	24	24	24	24	24	24	24	24	24	24	24
08:00	53	61	30	62	37	69	89	77	22	40	64	60	37	28	19	47	43	67	50	50	50	50	50	50	50	50	50	50	50	50	50
08:30	86	103	75	109	64	92	148	116	28	110	104	107	76	59	36	91	72	119	89	89	89	89	89	89	89	89	89	89	89	89	89
09:00	140	150	135	162	134	151	199	144	62	103	188	168	133	102	67	152	96	187	137	137	137	137	137	137	137	137	137	137	137	137	137
09:30	166	201	183	191	208	154	165	158	76	164	237	234	177	152	88	227	149	253	177	177	177	177	177	177	177	177	177	177	177	177	177
10:00	164	256	260	209	261	198	245	181	110	145	247	301	238	217	152	287	176	318	220	220	220	220	220	220	220	220	220	220	220	220	220
10:30	285	310	263	177	319	233	293	259	173	211	370	367	279	271	193	341	217	377	274	274	274	274	274	274	274	274	274	274	274	274	274
11:00	335	361	349	259	363	251	264	342	187	182	425	422	339	321	343	389	360	422	329	329	329	329	329	329	329	329	329	329	329	329	329
11:30	216	396	348	328	399	267	344	324	307	94	452	461	350	362	437	419	408	455	354	354	354	354	354	354	354	354	354	354	354	354	354
12:00	199	365	373	303	423	349	326	302	309	174	463	478	362	398	462	436	430	473	368	368	368	368	368	368	368	368	368	368	368	368	368
12:30	286	389	393	302	387	339	247	255	404	197	457	480	257	413	468	433	433	474	367	367	367	367	367	367	367	367	367	367	367	367	367
13:00	249	388	341	309	352	350	246	144	263	177	431	467	261	399	456	406	420	448	339	339	339	339	339	339	339	339	339	339	339	339	339
13:30	225	339	250	296	344	287	250	110	185	153	388	429	275	379	416	368	388	399	305	305	305	305	305	305	305	305	305	305	305	305	305
14:00	94	273	238	213	267	234	216	55	187	210	333	374	334	315	352	317	342	346	261	261	261	261	261	261	261	261	261	261	261	261	261
14:30	93	230	222	172	215	235	82	61	151	183	270	311	312	252	296	257	290	257	216	216	216	216	216	216	216	216	216	216	216	216	216
15:00	125	159	201	132	191	176	70	48	101	149	197	243	246	208	196	197	231	184	170	170	170	170	170	170	170	170	170	170	170	170	170
15:30	77	101	146	93	143	119	59	60	85	91	143	175	187	161	180	138	171	109	124	124	124	124	124	124	124	124	124	124	124	124	124
16:00	46	57	85	61	85	70	40	56	52	52	91	115	127	106	118	87	115	87	81	81	81	81	81	81	81	81	81	81	81	81	81
16:30	19	33	44	31	48	34	17	23	31	21	49	67	77	65	66	48	69	49	44	44	44	44	44	44	44	44	44	44	44	44	44
17:00	6	11	18	10	19	12	5	9	12	6	20	31	40	39	31	22	34	17	19	19	19	19	19	19	19	19	19	19	19	19	19
17:30	0	2	4	2	6	2	0	1	3	0	5	10	16	16	7	6	13	5	5	5	5	5	5	5	5	5	5	5	5	5	5
18:00	0	0	1	0	0	0	0	0	0	0	0	2	3	3	0	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.40 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN APRIL

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	1	0	0	0	0	1	1	1	2	0	0	0	0
06:30	6	6	6	6	3	5	5	5	6	2	0	6	4	7	8	8	7	7	9	0	0	0	12	13	12	12	6	7	5	0
07:00	18	18	18	18	11	18	18	17	20	4	2	18	14	21	25	26	24	19	28	5	8	4	34	37	33	36	14	25	15	4
07:30	41	41	41	41	42	45	45	41	49	8	6	45	47	49	58	54	51	39	53	13	31	4	71	74	67	68	37	32	31	10
08:00	74	74	74	74	73	86	84	80	92	9	14	87	100	98	106	100	92	80	2	18	59	15	125	127	117	122	85	63	64	23
08:30	122	122	122	122	123	142	138	132	147	28	24	139	155	158	166	159	145	133	98	32	120	44	193	192	185	182	94	73	127	49
09:00	181	181	181	181	186	208	203	198	213	36	55	203	224	229	237	224	208	156	210	22	161	127	266	266	222	250	120	139	235	102
09:30	242	242	242	242	250	279	276	271	273	32	129	273	299	304	312	297	272	201	178	61	252	162	335	338	311	342	107	212	324	190
10:00	293	293	293	293	319	352	348	342	353	32	180	341	371	383	386	371	339	219	238	87	348	166	415	418	387	440	138	188	345	106
10:30	361	361	361	361	388	421	415	407	413	29	303	404	438	455	454	435	398	357	266	271	317	312	493	415	456	428	141	380	381	209
11:00	411	411	411	411	447	476	467	461	462	29	436	461	492	521	512	489	450	401	384	213	346	489	551	432	513	541	113	493	312	200
11:30	423	423	423	423	493	522	504	505	529	52	489	506	539	521	558	530	499	314	297	88	164	537	586	597	554	556	157	515	322	72
12:00	443	443	443	443	525	552	532	531	539	69	504	528	553	562	577	549	524	379	327	67	53	562	611	598	574	612	246	514	385	51
12:30	436	436	436	436	531	558	540	536	546	56	494	533	426	575	579	553	530	423	275	70	23	567	613	601	541	540	306	485	377	45
13:00	434	434	434	434	523	546	530	520	522	45	467	522	557	572	564	540	516	500	347	232	16	556	590	597	487	496	270	519	165	79
13:30	400	400	400	400	494	514	501	488	486	36	444	491	515	531	529	506	486	451	245	245	11	522	568	561	485	279	306	428	88	201
14:00	371	371	371	371	448	461	455	439	457	31	434	444	470	467	477	458	436	414	397	265	9	471	521	500	439	188	253	386	111	223
14:30	325	325	325	325	391	392	397	377	392	29	375	383	397	422	412	393	376	363	375	203	6	413	348	450	403	268	220	363	130	170
15:00	268	268	268	268	317	318	323	308	325	24	305	312	270	343	340	320	304	255	302	236	5	341	343	308	340	253	213	277	115	164
15:30	202	202	202	202	247	245	247	237	245	18	234	242	136	262	263	246	235	212	152	165	7	268	250	279	269	162	122	221	116	171
16:00	156	156	156	156	179	175	177	170	172	19	166	175	166	188	190	177	168	143	123	95	3	198	210	207	199	152	123	188	179	118
16:30	111	111	111	111	118	114	114	112	117	19	111	116	126	130	128	116	112	119	123	87	7	134	138	144	153	122	104	129	100	90
17:00	64	64	64	64	68	66	67	65	66	9	66	70	73	76	76	68	66	70	72	47	11	81	81	87	80	82	50	77	41	60
17:30	33	33	33	33	32	32	32	31	32	4	33	36	39	37	37	34	33	36	36	26	9	43	44	45	43	42	29	43	25	31
18:00	13	13	13	13	12	11	11	11	11	1	12	13	14	14	14	13	12	13	12	10	3	17	18	19	17	16	13	18	14	12
18:30	3	3	3	3	1	2	3	3	3	1	2	3	3	2	3	3	3	3	4	2	3	4	4	4	4	5	4	4	3	3
19:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	1	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.41 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN MAY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	1	2	2	2	2	2	2
06:00	0	2	1	3	0	3	4	7	4	0	5	6	6	4	3	5	0	7	8	9	7	3	10	9	10	3	9	10	11	10	10
06:30	3	17	17	14	0	15	17	25	19	8	18	21	23	19	11	14	6	24	26	27	20	15	29	22	27	8	30	30	32	30	30
07:00	15	41	18	35	3	39	37	58	45	29	46	51	53	47	25	34	23	47	54	59	52	21	64	48	53	16	63	63	68	60	56
07:30	41	82	45	69	9	75	12	114	87	76	63	94	97	79	54	32	51	83	100	101	97	47	114	101	111	42	111	112	120	111	28
08:00	66	137	101	125	16	127	188	188	143	127	102	153	156	141	91	117	76	102	163	164	105	65	179	159	179	46	173	174	187	158	55
08:30	94	206	203	184	21	184	271	282	132	167	160	224	222	193	132	165	79	209	251	208	160	87	257	242	231	117	246	247	265	217	127
09:00	121	277	281	265	30	259	366	387	205	265	185	303	297	252	241	196	84	236	327	250	215	138	341	313	347	234	325	326	350	235	133
09:30	172	356	337	344	15	333	465	496	233	258	212	381	368	284	255	301	129	389	399	366	326	237	417	412	417	205	409	401	437	372	110
10:00	200	430	397	416	5	407	558	601	438	183	358	448	442	261	372	367	211	465	381	462	458	414	501	475	414	268	484	482	524	472	118
10:30	228	500	438	480	12	477	641	699	487	299	344	514	517	363	493	414	300	464	551	500	395	417	580	555	522	273	549	555	605	432	309
11:00	260	560	564	535	12	528	708	784	554	510	447	593	578	439	575	443	293	550	645	625	361	502	639	629	532	181	610	617	668	524	365
11:30	402	602	600	572	27	575	708	837	567	522	432	637	609	510	641	517	386	646	631	651	536	654	683	664	314	270	650	652	710	596	440
12:00	375	629	617	592	37	595	668	869	576	433	359	546	621	580	639	529	395	644	690	663	495	670	709	685	475	428	669	675	713	615	373
12:30	263	638	615	582	21	575	684	617	548	353	539	554	622	610	657	518	450	661	664	605	559	691	705	685	525	605	663	676	704	693	602
13:00	164	622	597	570	13	433	701	599	523	458	415	531	602	575	638	463	459	613	615	626	431	663	685	660	522	549	643	661	682	614	634
13:30	251	588	558	528	18	478	556	565	560	456	386	479	546	541	587	432	380	565	600	473	497	622	650	614	532	548	601	625	624	570	599
14:00	131	529	498	469	24	352	465	509	504	444	449	472	499	493	528	372	443	539	533	496	477	556	591	514	493	495	547	568	568	400	548
14:30	275	455	429	402	27	400	542	445	440	395	451	462	417	410	460	292	452	458	431	419	381	491	519	479	442	459	473	500	510	313	481
15:00	174	377	357	328	23	309	430	374	362	279	375	374	353	357	386	269	335	382	279	374	394	318	438	368	403	390	391	422	445	377	401
15:30	235	293	281	251	18	215	354	298	277	185	294	297	258	284	306	210	269	309	304	313	297	335	347	277	284	336	321	338	364	288	319
16:00	129	219	209	192	21	164	267	224	188	172	220	203	189	209	228	181	225	241	248	238	229	254	263	244	139	256	248	253	276	276	230
16:30	40	152	143	135	22	99	176	153	116	105	153	146	128	120	159	122	147	167	178	174	162	178	187	177	39	183	180	186	199	173	155
17:00	16	95	89	84	8	46	104	96	67	55	94	96	85	32	102	97	102	108	111	116	103	117	120	89	94	119	121	122	128	126	115
17:30	6	52	48	45	4	25	59	53	34	34	50	55	51	16	58	44	63	62	65	66	47	67	67	54	27	69	72	65	76	70	68
18:00	3	23	20	20	3	13	26	24	15	13	25	25	24	7	26	24	29	29	31	32	28	32	34	28	4	34	35	36	34	31	34
18:30	4	6	6	6	0	5	8	7	3	6	7	8	7	1	9	8	10	10	10	11	11	12	11	10	4	13	13	13	14	9	8
19:00	0	1	0	1	0	1	2	1	1	1	2	1	2	0	1	2	1	2	2	2	2	2	2	3	1	2	3	3	3	3	2
19:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
20:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
21:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.42 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN JUNE

TIME	DAY 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	1	2	1	2	2
06:00	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	12	10	10	9	9	9	9	8	7
06:30	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	32	28	27	27	24	25	25	24	23
07:00	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	67	59	64	58	53	55	55	52	51
07:30	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	118	98	107	103	94	97	98	92	92
08:00	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	182	123	164	162	147	153	155	146	147
08:30	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	257	195	234	232	212	221	223	210	206
09:00	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	339	232	311	305	284	292	296	278	275
09:30	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	423	254	375	383	354	366	352	352	321
10:00	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	507	368	481	385	421	437	424	422	352
10:30	496	496	496	496	496	496	496	496	496	496	496	496	496	496	496	496	496	496	496	496	496	581	439	550	529	488	498	506	487	390
11:00	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	643	562	603	580	521	569	552	535	471
11:30	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	686	622	614	620	568	610	578	569	602
12:00	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	709	484	669	661	583	632	622	602	630
12:30	645	645	645	645	645	645	645	645	645	645	645	645	645	645	645	645	645	645	645	645	645	712	643	676	661	592	635	627	616	644
13:00	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	700	643	667	648	599	621	613	607	635
13:30	591	591	591	591	591	591	591	591	591	591	591	591	591	591	591	591	591	591	591	591	591	661	612	490	621	571	594	587	582	599
14:00	530	530	530	530	530	530	530	530	530	530	530	530	530	530	530	530	530	530	530	530	530	605	561	369	564	521	545	536	530	541
14:30	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	537	501	385	506	460	483	477	464	489
15:00	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	454	430	445	424	389	406	406	399	416
15:30	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	369	347	353	340	309	333	330	330	339
16:00	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	285	267	271	260	238	260	256	257	260
16:30	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	207	195	196	190	174	188	188	187	191
17:00	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	141	133	134	131	118	127	127	127	127
17:30	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	87	82	82	79	73	80	78	79	78
18:00	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	46	45	44	42	39	44	42	43	41
18:30	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	20	18	19	18	16	19	17	18	18
19:00	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	5	4	5	5	6	5
19:30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	1
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.43 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN JULY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0
06:00	9	9	9	8	8	8	8	8	8	7	7	8	7	7	6	6	6	5	6	5	6	6	5	5	2	4	4	5	5	3	4
06:30	25	28	27	22	23	26	24	25	25	21	22	24	24	23	21	18	20	19	20	20	19	18	18	17	5	20	16	16	16	9	15
07:00	55	58	57	32	52	57	54	55	54	46	51	55	53	50	47	44	46	45	47	45	46	40	41	41	12	48	39	42	42	28	35
07:30	100	105	102	55	101	103	99	101	99	85	94	101	99	93	89	83	83	84	89	84	85	79	76	75	40	94	76	81	82	48	64
08:00	157	168	162	67	159	162	158	160	158	138	152	162	159	148	143	130	137	135	145	137	141	132	126	117	108	131	123	133	136	67	124
08:30	228	244	225	92	232	233	228	231	229	205	222	234	229	212	204	192	203	199	211	203	207	188	185	169	185	136	168	196	203	81	183
09:00	305	309	311	190	310	314	308	310	306	277	300	316	301	281	272	261	270	270	288	274	280	274	256	236	256	236	244	265	275	109	247
09:30	386	382	392	194	390	400	389	392	385	352	378	399	376	353	348	330	340	344	367	349	355	342	327	275	326	323	322	336	348	92	244
10:00	467	449	471	171	475	489	472	474	469	429	460	481	441	422	426	409	415	411	443	425	431	417	394	326	398	387	396	410	422	113	316
10:30	539	447	531	213	545	558	547	549	545	498	534	567	428	479	498	468	488	475	514	496	497	478	459	354	467	444	462	477	489	110	444
11:00	597	529	594	153	600	615	606	609	606	557	597	566	511	518	551	510	548	438	573	546	545	518	509	292	516	488	491	433	546	168	357
11:30	648	629	653	190	640	654	650	649	647	600	632	605	493	564	592	551	566	561	612	579	583	554	542	380	548	517	498	506	486	226	349
12:00	673	642	635	206	573	685	675	673	670	619	655	675	536	450	607	599	594	499	630	562	595	580	558	348	575	537	553	536	569	367	505
12:30	680	670	615	218	681	690	679	679	676	617	668	573	626	586	603	590	597	552	633	602	602	566	557	207	566	546	601	366	631	235	373
13:00	673	675	568	281	542	552	666	665	650	602	620	493	632	576	582	570	594	458	617	438	597	512	532	224	538	496	521	421	520	357	574
13:30	633	528	584	382	592	643	632	627	603	569	536	606	492	539	549	517	521	411	584	543	561	501	509	139	452	519	545	528	422	371	256
14:00	586	534	514	418	492	590	579	572	565	524	560	560	486	483	518	461	475	506	540	518	510	453	464	125	504	411	497	456	473	442	279
14:30	490	476	454	436	436	501	513	494	506	464	490	319	479	358	457	443	400	412	476	422	449	300	407	268	388	290	433	419	276	279	319
15:00	436	422	377	439	161	421	438	430	399	388	428	445	354	305	327	375	326	394	405	374	383	343	345	262	366	115	361	365	108	337	334
15:30	366	357	316	296	103	364	354	350	325	310	305	364	278	319	317	311	313	286	326	311	309	278	290	210	290	102	284	278	134	291	264
16:00	282	258	256	268	218	251	274	272	266	234	202	256	180	245	253	236	187	241	250	239	230	215	221	158	222	86	221	197	203	171	225
16:30	201	199	186	191	70	180	200	199	194	170	179	167	160	179	184	183	152	179	181	173	176	144	162	112	149	66	165	145	150	150	155
17:00	140	137	109	139	47	128	136	134	129	114	132	144	132	121	130	123	105	110	123	118	122	112	110	76	85	31	111	106	108	113	98
17:30	87	86	58	85	55	92	83	83	79	71	84	83	82	74	78	74	54	64	75	72	73	66	67	47	67	22	67	64	62	54	63
18:00	46	47	30	46	42	45	44	44	43	38	45	46	43	38	38	38	28	33	40	39	38	33	35	26	31	17	34	33	24	30	31
18:30	20	19	13	20	17	17	19	19	18	16	19	17	19	16	14	16	14	16	16	16	16	15	14	11	12	7	14	13	10	13	12
19:00	6	6	4	6	5	5	5	6	5	5	5	5	5	5	4	4	4	4	4	4	4	3	4	3	3	1	3	3	2	3	3
19:30	1	0	1	0	1	1	1	0	0	1	0	1	1	0	0	1	1	1	1	0	1	1	0	0	0	1	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.44 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN AUGUST

TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	4	3	3	2	2	0	3	2	1	0	1	2	2	2	2	1	2	2	2	2	1	2	1	1	1	0	2	0	1	0	2
06:30	15	16	15	7	9	3	12	13	9	4	5	10	12	12	12	12	12	10	11	11	11	10	8	8	9	5	9	4	3	1	8
07:00	38	36	33	18	24	7	24	25	30	16	13	29	36	36	34	35	34	31	32	32	31	30	20	27	26	15	26	13	14	4	27
07:30	71	79	65	51	41	11	56	49	62	42	24	59	74	72	71	72	71	68	68	68	66	65	42	56	56	23	60	28	50	12	56
08:00	117	137	98	86	66	10	122	125	103	103	87	70	128	123	124	127	124	119	119	119	116	114	97	100	95	10	107	41	60	16	103
08:30	191	204	157	117	99	13	156	139	177	125	154	79	195	190	189	193	191	181	184	183	181	172	88	153	154	23	169	49	101	32	176
09:00	263	281	262	196	194	15	140	222	244	247	150	87	275	265	265	269	266	257	258	258	255	240	99	214	224	41	236	78	179	61	249
09:30	351	361	329	303	238	69	193	265	289	223	135	75	356	343	342	348	345	334	334	336	333	314	210	279	288	25	287	106	149	74	324
10:00	419	443	361	355	341	35	277	104	372	330	174	140	434	422	419	426	425	408	410	409	409	382	299	345	355	57	393	196	147	124	397
10:30	492	520	462	393	417	50	319	108	460	280	319	259	439	494	489	498	498	475	481	478	479	447	370	327	372	101	448	290	191	188	391
11:00	557	584	549	405	335	99	383	108	468	34	417	377	396	561	552	562	559	542	539	540	541	374	222	396	331	44	486	322	255	247	360
11:30	609	620	606	413	367	245	344	188	589	31	534	296	500	543	597	608	604	590	587	585	587	343	299	421	370	44	391	323	157	117	379
12:00	515	637	643	470	389	269	99	287	662	19	609	369	506	464	620	635	630	598	611	608	611	220	443	480	438	40	546	265	162	159	472
12:30	555	583	613	611	211	152	139	309	608	7	598	579	367	476	618	641	635	583	613	614	612	204	487	481	453	106	525	406	152	225	574
13:00	457	636	645	575	231	458	484	190	418	4	540	490	596	373	585	628	621	599	596	600	596	32	524	302	524	107	282	496	180	568	504
13:30	448	626	552	596	178	471	364	321	431	3	603	428	515	455	571	590	587	519	557	565	553	12	496	282	509	83	537	335	134	498	543
14:00	300	577	567	547	151	431	499	238	324	3	508	392	517	520	532	535	538	522	509	519	509	17	443	182	431	71	421	182	213	462	472
14:30	231	511	378	476	126	252	293	324	343	5	406	448	494	468	467	471	442	459	443	453	446	45	362	329	299	24	215	156	138	446	371
15:00	64	419	378	399	114	190	140	146	351	13	325	394	385	354	388	395	380	379	368	375	371	78	199	298	314	9	184	158	193	339	271
15:30	24	348	136	319	88	171	184	133	312	8	197	285	296	315	292	313	306	300	292	297	295	96	191	240	227	1	194	175	101	225	236
16:00	21	262	123	242	73	171	201	119	202	3	219	194	203	209	229	236	219	227	219	219	216	84	140	173	149	2	191	92	110	160	164
16:30	11	174	203	170	48	77	155	69	160	2	174	159	132	169	162	166	160	158	151	150	150	55	116	105	104	1	93	65	105	98	79
17:00	26	111	115	103	31	47	77	58	109	3	110	104	107	108	102	104	102	99	96	93	93	53	76	71	52	4	47	35	60	40	27
17:30	40	63	59	45	25	19	60	27	63	19	60	41	61	58	57	58	57	55	52	52	51	34	41	37	24	7	15	23	24	31	13
18:00	19	11	24	29	18	11	31	13	32	20	29	17	29	27	26	26	26	24	22	22	22	12	15	15	11	5	4	10	7	14	6
18:30	5	2	9	9	7	4	10	5	10	8	9	7	9	8	7	8	7	7	7	6	6	3	3	4	3	1	0	2	3	3	2
19:00	2	1	2	2	1	1	2	1	2	1	1	2	1	1	2	1	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.45 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN SEPTEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
06:00	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0	2	0	0	0
06:30	7	7	2	6	6	6	5	6	2	2	5	4	1	1	0	2	2	0	3	4	0	0	1	1	1	3	3	1	1	2
07:00	26	25	12	21	21	21	20	22	5	7	17	11	4	3	5	3	5	4	10	14	3	15	10	3	2	8	13	5	13	13
07:30	59	56	24	52	48	51	47	51	12	14	48	24	12	7	14	13	13	14	18	38	11	39	23	9	5	22	37	22	36	38
08:00	107	99	65	80	89	92	90	97	30	19	82	52	19	16	23	23	19	15	39	75	33	76	35	18	11	36	74	61	75	76
08:30	158	99	82	119	139	145	149	156	19	38	124	133	29	25	57	32	49	26	58	121	35	121	53	50	18	31	122	112	128	126
09:00	219	104	146	193	197	214	217	222	39	47	189	183	40	46	66	66	57	63	77	167	64	195	61	44	31	42	180	161	190	182
09:30	305	108	215	247	258	283	288	291	67	130	267	216	55	72	91	105	95	125	120	203	71	268	89	73	41	76	244	219	253	244
10:00	364	126	294	352	340	351	346	357	130	139	337	267	74	85	102	198	99	159	149	282	64	338	211	58	43	144	310	282	310	309
10:30	461	187	395	416	388	419	383	420	157	152	399	147	104	136	141	260	156	208	165	212	113	388	247	74	66	209	367	342	371	348
11:00	519	303	449	447	445	465	475	425	309	214	451	196	149	133	129	156	139	216	323	193	120	364	256	106	99	198	412	390	418	401
11:30	565	495	520	456	489	510	512	430	193	140	502	148	185	165	167	334	165	144	416	291	106	381	285	72	92	153	445	424	450	433
12:00	589	484	547	533	517	530	487	540	283	105	529	262	186	167	155	296	141	113	350	273	128	446	328	110	68	188	444	442	463	438
12:30	583	103	550	509	510	528	519	362	419	311	533	58	243	127	157	186	102	179	322	375	143	452	366	64	67	199	381	445	458	438
13:00	556	90	535	483	482	504	487	313	420	182	512	71	165	184	140	140	152	229	359	331	187	450	263	64	64	198	417	425	434	415
13:30	460	216	504	392	448	451	467	343	420	244	477	71	213	161	137	64	128	210	331	285	253	434	394	73	72	194	414	379	395	374
14:00	380	297	450	318	389	378	423	263	344	163	424	113	199	120	96	83	172	85	348	164	188	373	238	60	65	172	320	342	345	325
14:30	340	250	386	280	361	308	362	289	175	203	364	105	124	135	120	11	165	79	285	132	105	303	170	48	55	136	195	281	291	259
15:00	326	197	312	247	293	263	297	226	63	149	281	96	139	113	77	44	164	96	230	77	99	166	99	34	68	137	238	222	226	191
15:30	237	123	239	193	227	210	230	190	157	62	220	92	64	114	59	104	114	72	174	34	72	93	35	26	32	99	173	160	164	136
16:00	181	51	171	122	160	156	165	138	87	61	152	59	50	82	58	66	89	63	123	8	55	67	26	13	28	73	113	106	110	94
16:30	127	32	113	94	105	104	109	114	38	35	101	43	46	60	51	33	49	34	80	36	29	53	17	7	20	53	67	62	63	58
17:00	74	17	64	55	60	60	63	64	55	25	56	26	19	32	33	13	25	20	41	14	20	25	9	4	11	30	32	30	30	27
17:30	38	14	30	27	29	28	29	22	15	13	25	11	8	14	9	9	8	5	15	7	6	7	3	2	4	9	10	9	10	8
18:00	12	3	11	9	10	9	9	7	5	6	7	3	2	3	3	2	2	2	4	1	1	2	1	1	1	1	2	2	1	2
18:30	2	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.46 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN OCTOBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
06:30	1	1	1	1	1	0	0	2	0	1	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1
07:00	12	12	10	8	10	11	6	8	9	9	9	9	8	2	7	7	7	7	6	5	4	4	3	3	0	4	2	0	4	2	1
07:30	36	33	28	25	29	23	14	26	31	27	26	24	25	2	22	22	23	23	20	19	14	16	10	12	0	14	16	1	16	7	2
08:00	72	68	58	49	62	37	32	58	67	62	43	47	56	3	50	49	53	52	48	40	31	38	17	27	15	37	38	4	39	28	4
08:30	120	115	98	90	106	84	55	102	113	94	56	85	83	8	88	88	94	93	84	70	61	71	36	48	26	69	73	27	74	49	7
09:00	176	167	147	156	158	107	72	159	171	140	99	155	112	17	136	135	146	143	131	125	89	87	45	65	39	108	115	51	115	79	44
09:30	239	226	202	210	212	143	97	216	224	192	135	217	203	28	187	188	204	198	179	184	134	108	55	102	73	153	156	20	161	115	95
10:00	300	285	258	258	270	151	142	270	289	255	144	238	260	59	241	243	259	247	229	207	163	199	54	106	69	194	184	88	210	114	121
10:30	355	338	308	319	325	198	240	312	342	314	190	246	247	48	290	291	308	288	276	235	208	231	121	134	124	210	227	126	254	91	168
11:00	403	379	347	359	361	277	365	357	384	340	249	360	341	65	329	333	341	322	311	218	244	234	162	126	190	186	260	93	289	47	265
11:30	431	403	375	391	391	369	362	390	408	361	302	374	390	103	359	360	368	354	333	207	271	236	228	72	209	202	271	85	311	199	319
12:00	446	421	387	403	408	373	363	405	423	387	370	393	377	54	369	372	383	363	346	263	285	230	195	72	177	213	271	50	320	318	329
12:30	446	419	389	395	401	380	367	399	422	384	350	382	306	39	362	366	379	354	339	230	285	285	122	112	157	213	283	110	309	223	324
13:00	424	401	372	386	378	368	354	383	400	334	341	365	249	50	342	346	357	331	280	204	272	284	121	132	200	193	275	167	276	123	305
13:30	388	364	343	302	350	308	341	342	362	268	302	322	290	32	311	313	321	297	210	189	244	246	136	82	160	135	237	228	242	110	273
14:00	339	313	294	267	305	292	304	303	318	244	278	264	231	47	265	268	276	255	217	228	210	182	111	54	64	137	205	98	221	102	227
14:30	278	258	239	246	234	159	233	219	261	205	238	229	142	32	215	217	224	207	172	201	161	174	125	46	86	146	162	166	157	117	185
15:00	218	200	186	195	186	126	179	186	198	156	181	171	94	30	162	165	169	156	152	139	117	130	90	31	34	115	108	122	112	101	134
15:30	156	145	133	139	138	96	129	133	136	121	126	123	55	19	111	115	117	108	101	90	87	94	74	21	15	81	64	62	79	42	89
16:00	103	94	86	89	87	65	82	83	81	82	77	78	38	10	67	70	71	66	58	51	52	55	29	12	26	46	35	38	46	30	52
16:30	59	54	49	49	48	30	48	48	50	43	41	41	16	6	35	36	38	35	28	23	25	27	13	6	12	13	15	21	21	12	23
17:00	28	25	21	22	21	16	20	20	21	18	17	15	7	2	13	14	13	12	9	8	8	9	4	1	5	4	3	7	5	3	7
17:30	8	8	6	6	6	6	5	4	5	4	4	3	2	1	2	3	3	2	2	1	2	1	1	1	1	1	1	1	1	0	0
18:00	1	1	1	1	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.47 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN NOVEMBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
06:30	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	2	0	0	0	2	0	0	0	0	0	0	0
07:00	3	1	3	2	0	0	1	0	1	1	0	0	1	0	1	0	1	3	2	0	1	1	1	0	0	0	1	1	0	0
07:30	15	14	9	9	6	7	2	0	2	2	2	5	9	6	7	2	4	4	8	3	6	6	3	0	2	5	4	4	0	3
08:00	41	35	25	19	29	28	5	4	4	6	24	25	23	11	20	5	8	9	23	21	20	21	5	11	16	16	15	14	3	10
08:30	76	70	51	28	59	54	12	14	11	17	52	51	50	23	36	10	15	21	45	43	42	44	13	27	37	37	34	32	4	24
09:00	119	106	111	70	97	89	17	37	18	35	88	86	83	43	64	13	26	22	76	75	74	76	26	49	67	64	62	58	6	43
09:30	165	111	135	67	121	127	26	82	30	69	127	123	121	72	106	28	37	36	112	111	109	111	62	89	99	98	93	89	13	68
10:00	209	127	157	93	142	160	35	94	44	85	167	163	162	106	106	37	47	42	149	149	148	150	83	122	133	134	125	123	16	95
10:30	250	154	196	99	193	183	59	98	46	129	202	200	199	150	109	42	59	68	186	186	182	185	78	156	168	167	158	154	23	121
11:00	282	243	170	100	221	186	56	88	24	156	234	232	228	194	141	55	50	86	214	215	211	214	53	186	196	196	186	182	29	144
11:30	311	213	240	107	193	234	25	86	28	132	255	253	248	211	144	63	50	109	235	237	229	236	84	205	213	217	205	201	29	161
12:00	320	189	242	120	222	256	21	112	56	137	265	261	255	218	119	69	54	105	242	246	238	244	122	215	218	227	214	207	53	169
12:30	316	245	244	196	225	252	33	114	38	129	260	256	253	214	181	76	61	105	238	243	236	240	50	212	220	225	212	209	57	167
13:00	295	291	238	262	246	223	33	93	48	123	245	240	238	199	176	91	75	90	223	227	223	226	100	200	206	210	198	193	33	157
13:30	262	231	196	222	231	183	35	89	43	158	216	212	211	176	169	90	68	66	196	201	199	201	97	179	187	185	177	171	25	139
14:00	221	120	177	163	199	161	39	93	66	122	183	175	176	146	125	87	63	61	162	166	167	169	142	150	157	154	146	142	29	115
14:30	176	112	157	133	153	131	32	100	58	51	140	137	138	112	105	81	59	47	127	130	130	132	109	115	122	119	113	111	28	88
15:00	130	55	94	102	90	93	33	86	43	74	101	99	100	79	64	43	50	40	92	93	94	95	56	81	86	84	79	78	25	62
15:30	85	35	55	68	62	51	19	64	46	29	64	61	64	52	43	27	33	32	58	59	60	60	23	50	54	54	49	50	22	39
16:00	49	28	34	37	36	22	7	35	11	9	36	34	34	27	26	16	16	12	31	32	32	32	7	27	28	28	26	25	15	19
16:30	22	18	9	15	14	8	2	19	5	5	14	14	11	11	10	5	6	4	12	13	12	13	3	10	11	10	9	9	6	7
17:00	6	3	3	4	4	1	2	8	2	2	4	3	1	2	2	1	1	0	3	2	2	2	0	2	2	2	2	2	2	2
17:30	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.48 UV DATA BASE - 1974 FORT WORTH, TEXAS

COUNTS BY TIME OF DAY FOR EACH DAY IN DECEMBER

DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
TIME																															
00:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
01:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
02:00	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
03:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
05:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
07:00	0	0	0	1	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
07:30	2	3	3	2	1	3	0	2	2	1	1	1	2	0	1	0	1	1	1	1	1	1	2	0	0	0	0	0	1	1	1
08:00	11	9	11	10	4	11	11	9	9	5	4	9	6	3	7	5	6	6	6	6	5	6	5	2	1	1	3	2	4	2	2
08:30	24	24	27	25	12	27	27	23	22	11	18	23	13	19	19	13	17	19	17	17	15	20	9	4	9	2	9	10	9	5	8
09:00	46	49	51	47	10	51	49	44	42	9	41	43	24	45	38	27	35	38	34	34	32	38	18	9	18	4	18	21	22	9	15
09:30	70	71	77	73	20	79	77	70	66	18	58	70	42	73	61	41	56	59	55	55	55	63	19	14	29	9	43	50	35	13	22
10:00	97	103	108	98	31	110	105	98	94	34	100	99	70	103	84	52	82	84	80	79	80	90	42	21	38	15	39	57	50	23	27
10:30	124	136	136	105	50	140	134	125	120	34	109	129	95	131	109	61	109	111	106	103	107	117	42	24	41	18	54	66	67	25	55
11:00	147	159	156	141	42	165	160	149	142	36	128	153	148	154	128	77	134	132	128	128	129	143	59	23	45	24	87	72	81	39	97
11:30	166	179	167	160	50	181	177	165	164	52	156	171	177	175	152	99	152	137	142	145	148	163	91	34	37	30	66	56	102	43	130
12:00	177	185	173	150	40	188	188	175	177	34	135	178	187	183	160	124	163	124	152	154	162	174	141	41	41	29	77	74	49	39	125
12:30	177	184	167	165	31	190	188	175	182	33	155	178	187	185	139	137	167	149	154	154	166	176	161	54	53	27	61	76	47	38	122
13:00	168	172	155	179	26	180	178	165	173	18	164	167	177	173	123	127	160	126	147	145	159	167	165	50	66	33	52	49	46	43	98
13:30	150	154	143	143	25	160	158	145	156	11	159	140	158	151	103	107	142	126	131	128	144	152	148	37	64	33	45	43	47	55	86
14:00	125	128	123	117	44	88	131	122	130	24	134	122	133	127	86	95	120	109	110	108	122	130	123	36	42	23	55	40	40	42	87
14:30	96	97	97	96	32	34	102	95	100	25	94	104	105	96	71	75	94	82	86	85	97	103	101	23	36	15	63	42	28	23	77
15:00	68	60	71	65	11	28	72	67	72	14	79	77	75	70	52	53	68	61	63	61	70	74	78	23	19	13	65	31	22	16	66
15:30	42	38	44	42	4	23	45	42	45	3	47	48	48	44	32	33	45	40	40	37	45	48	51	16	13	10	46	13	13	14	42
16:00	22	17	22	21	2	13	24	21	24	2	24	26	24	24	18	18	23	20	21	21	25	27	28	7	9	6	16	7	6	8	24
16:30	7	7	9	8	1	3	8	8	9	1	8	9	9	9	7	7	10	8	8	9	10	10	11	2	2	3	4	4	2	3	10
17:00	2	1	1	1	0	1	2	1	1	1	2	2	2	2	1	1	2	2	2	2	2	3	3	1	1	1	1	2	0	1	2
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	1	0	0	0	1	0	1	0
18:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
19:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
21:00	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
22:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
22:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
23:30	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
24:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

ALBUQUERQUE

TABLE A.49 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN JANUARY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	1	1	0	0	0	0	1	0	0	0	1	1	0	1	1	0	1	0	1	1	0	1	0	0	1	0	0	1	1	1	1
08:00	1	3	4	3	3	3	2	2	2	2	3	3	3	4	4	5	5	4	4	5	2	4	4	4	4	5	3	4	5	5	7
08:30	6	10	11	9	11	9	6	5	4	4	12	12	7	15	14	16	14	6	16	16	7	14	12	13	15	13	2	15	14	16	20
09:00	14	20	29	22	28	20	12	20	13	6	28	31	17	33	34	35	34	15	36	37	10	31	27	29	35	30	11	35	31	37	43
09:30	25	37	53	40	56	39	23	36	24	15	52	61	27	60	61	65	68	26	65	70	21	55	49	52	63	58	33	63	57	66	78
10:00	40	57	86	62	92	65	27	46	31	17	82	93	57	97	94	101	108	46	101	108	36	87	78	84	94	90	54	96	89	104	122
10:30	65	66	113	93	128	89	30	89	44	39	110	126	112	132	135	142	151	64	141	154	60	119	108	118	137	87	92	134	126	151	168
11:00	89	77	145	102	166	115	34	130	56	127	145	132	170	168	171	179	186	98	184	192	86	153	142	153	178	143	96	173	159	192	215
11:30	86	64	166	127	204	144	42	104	41	162	174	167	210	198	203	212	210	138	222	229	64	181	169	183	209	171	118	180	190	225	258
12:00	102	76	183	151	217	178	53	62	73	151	192	213	235	217	221	236	224	133	237	246	97	191	187	204	226	72	121	196	211	249	286
12:30	88	83	175	162	223	219	42	70	47	142	196	224	242	222	230	250	267	83	243	257	78	201	194	211	239	103	123	153	222	263	296
13:00	73	68	180	174	212	159	32	67	61	157	192	218	246	214	228	251	228	86	241	196	41	192	191	207	234	167	145	149	217	257	290
13:30	51	50	168	187	185	163	30	53	64	155	174	201	227	199	210	232	209	99	226	154	22	175	180	192	212	155	165	147	205	233	270
14:00	53	39	148	168	155	135	35	48	45	129	159	170	190	170	185	203	154	91	197	123	31	146	154	168	185	148	147	124	181	202	238
14:30	46	32	106	136	101	112	22	36	77	104	122	137	162	136	152	163	147	80	163	80	67	115	124	136	153	91	94	131	149	169	195
15:00	37	25	73	94	76	82	15	30	75	73	89	101	97	100	113	120	65	66	124	68	54	84	86	103	114	58	71	76	112	130	150
15:30	24	20	45	57	55	42	8	20	33	48	56	68	55	66	75	79	27	60	80	49	59	54	58	69	79	35	62	56	77	91	106
16:00	16	11	22	29	30	25	7	12	17	26	31	38	32	38	44	46	29	42	47	23	30	32	33	41	47	20	35	33	47	55	65
16:30	6	5	9	11	14	12	3	9	4	12	13	17	17	18	20	21	6	21	22	10	14	16	16	21	23	14	17	17	24	28	35
17:00	2	2	2	3	3	4	0	3	1	4	4	4	5	5	7	7	2	6	8	4	3	6	5	7	9	5	7	8	10	10	14
17:30	0	0	1	0	1	0	1	0	1	0	1	1	1	1	1	1	0	1	1	0	0	1	1	2	1	1	2	2	2	3	4
18:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.50 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN FEBRUARY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	1	1	0	1	0	1	1
07:30	1	0	1	1	2	2	2	1	1	2	2	2	1	1	2	3	2	0	4	3	3	4	4	4	4	3	3	5
08:00	8	3	7	8	7	6	2	6	8	8	9	10	8	8	11	12	10	5	14	7	10	16	14	14	7	12	11	19
08:30	22	13	20	23	23	20	14	14	22	24	25	27	24	16	30	32	21	12	35	20	29	36	32	35	36	32	32	46
09:00	50	34	43	48	47	37	32	35	47	49	52	57	47	24	58	63	43	25	69	36	65	69	61	67	71	64	63	88
09:30	90	58	76	85	82	53	62	64	82	83	94	96	80	35	99	105	68	65	117	43	106	117	99	111	117	115	109	135
10:00	149	91	116	132	124	86	98	101	125	118	144	147	128	57	150	155	93	108	165	73	161	172	145	156	170	175	168	189
10:30	155	146	159	176	170	98	95	140	175	161	195	200	169	112	202	207	112	82	225	104	209	233	189	204	170	231	195	249
11:00	187	132	202	225	212	137	114	176	222	219	240	249	232	111	246	258	134	163	280	222	257	277	231	253	216	291	256	297
11:30	178	150	241	261	243	163	123	202	262	281	281	289	225	100	287	299	151	173	323	279	298	314	265	294	247	344	291	354
12:00	244	237	266	290	263	154	124	224	289	301	311	317	269	113	308	326	173	246	326	136	331	345	288	320	270	375	340	380
12:30	252	257	280	308	268	177	94	239	301	314	320	329	328	205	309	334	142	250	338	177	324	363	297	331	284	395	358	379
13:00	270	253	278	284	261	184	79	237	297	310	319	322	283	257	314	341	141	176	340	255	166	355	292	328	276	390	347	362
13:30	274	235	260	264	244	188	60	224	278	294	301	302	187	202	401	327	170	152	313	19	156	332	272	311	254	376	353	372
14:00	242	205	227	237	213	199	61	200	245	262	265	263	100	136	262	289	158	165	283	13	164	293	244	284	223	340	321	343
14:30	201	168	189	200	174	156	73	164	207	220	220	210	64	103	218	249	168	195	230	20	168	246	204	240	190	293	272	275
15:00	155	127	146	154	132	108	72	125	161	171	173	147	47	83	166	194	115	148	198	38	137	192	159	187	150	238	234	241
15:30	106	85	102	108	91	91	61	86	114	122	127	97	41	84	115	138	76	103	143	47	132	137	113	133	111	181	173	178
16:00	66	53	62	68	55	49	38	54	73	79	81	48	13	65	68	88	45	67	90	33	80	89	73	87	70	123	117	120
16:30	34	28	33	36	29	24	21	28	40	44	45	20	7	38	39	48	18	39	42	25	45	50	41	51	38	76	71	67
17:00	13	11	13	15	12	7	10	13	18	19	20	6	6	16	17	23	8	18	19	13	21	24	19	24	18	40	37	31
17:30	3	3	3	3	3	2	3	3	5	5	6	3	2	6	5	6	3	6	5	5	7	8	6	8	6	16	13	12
18:00	0	0	1	1	0	0	0	0	1	1	0	0	0	0	1	1	0	1	1	1	1	2	1	2	1	5	4	2
18:30	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
22:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.51 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN MARCH

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	1	1	1	1	0	1	1	1	1	2	1	2	2	1
07:00	1	1	1	1	2	1	1	2	3	0	3	3	2	3	3	3	5	5	3	4	4	6	6	5	7	8	8	9	10	10	4
07:30	7	9	7	7	8	9	4	11	10	1	12	13	13	13	10	14	17	17	12	17	18	18	19	17	20	23	22	25	31	32	19
08:00	25	23	22	20	25	25	11	31	30	4	36	35	34	36	23	37	43	45	29	40	42	43	46	37	49	55	46	57	66	75	55
08:30	54	55	49	45	58	57	21	69	56	4	75	70	63	74	68	75	89	88	55	75	83	84	89	74	95	110	93	111	119	121	115
09:00	98	90	88	85	106	106	46	122	75	11	130	118	117	126	122	130	151	150	80	115	139	134	141	127	138	183	125	173	188	187	147
09:30	157	92	139	118	163	170	74	184	180	15	194	174	154	190	188	193	227	230	122	232	207	192	205	190	196	231	153	256	267	277	258
10:00	217	94	187	165	227	240	144	249	222	27	264	224	248	258	254	263	290	278	155	273	286	258	276	269	265	278	289	331	353	335	297
10:30	281	152	269	211	284	303	208	309	303	34	334	314	309	321	314	339	353	300	166	240	358	265	347	345	347	382	378	392	428	418	390
11:00	336	141	314	267	336	368	243	371	326	80	395	391	354	389	375	402	426	333	187	227	410	251	408	403	418	451	428	452	482	494	449
11:30	393	128	322	332	377	409	348	406	256	155	441	453	419	463	404	444	468	371	237	197	460	309	450	444	462	475	485	509	523	559	491
12:00	338	188	233	386	419	433	367	436	415	172	468	457	450	435	445	479	498	379	263	198	490	296	467	471	503	510	399	539	553	505	510
12:30	350	211	213	401	437	450	379	428	444	143	480	496	466	462	463	493	514	352	260	342	492	407	430	478	508	479	414	539	563	537	501
13:00	415	236	341	335	431	446	446	427	431	134	471	487	461	468	453	484	509	436	266	386	479	316	443	454	502	511	377	524	554	408	496
13:30	391	208	334	357	397	418	338	424	419	216	443	457	450	393	422	456	472	365	254	271	449	223	452	367	478	483	373	500	523	390	452
14:00	350	109	227	329	350	374	287	294	256	343	401	397	384	231	378	412	437	400	215	207	403	171	412	345	428	424	406	454	472	492	398
14:30	295	117	155	279	297	316	251	263	304	300	342	203	241	286	329	355	372	336	199	318	343	124	328	243	368	350	276	396	408	432	347
15:00	161	84	144	215	238	251	165	176	253	240	276	191	174	276	272	287	306	220	192	142	277	83	233	189	308	288	284	285	334	346	279
15:30	149	49	97	164	177	188	95	156	165	179	208	146	113	226	203	221	204	158	162	179	209	71	194	173	237	216	245	219	238	263	213
16:00	97	74	88	111	120	124	89	74	127	124	140	83	86	151	138	157	144	97	73	126	146	94	140	102	165	159	166	174	184	186	144
16:30	67	56	61	65	71	75	57	40	78	75	86	52	65	84	87	97	97	72	52	62	89	61	92	69	103	91	95	110	114	108	96
17:00	30	24	30	32	36	39	36	18	41	41	43	36	45	46	47	53	51	54	15	41	48	28	50	41	57	54	47	62	64	64	52
17:30	13	9	12	13	14	15	16	7	9	17	18	17	20	20	21	22	22	20	4	13	21	14	22	21	26	27	20	29	24	30	26
18:00	3	2	3	3	3	4	4	2	3	4	5	5	6	5	5	6	86	5	1	6	7	5	6	6	8	8	3	9	10	8	8
18:30	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	1	1	0	1	1	1	1	1	2	2	1	2
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.52 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN APRIL

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
06:00	1	0	0	0	0	1	1	0	1	1	1	0	1	1	1	1	2	2	1	1	1	2	2	2	3	3	4	2	4	3
06:30	3	1	3	3	3	3	4	4	4	4	3	5	5	6	6	7	6	7	7	8	10	10	10	11	15	14	10	13	13	
07:00	9	1	10	10	14	16	15	15	15	14	14	17	17	19	21	20	22	24	20	20	23	27	27	26	24	39	40	24	36	33
07:30	27	2	29	29	37	41	40	39	36	34	34	40	42	47	48	47	51	55	47	47	52	61	57	46	61	83	89	52	71	65
08:00	60	6	59	62	76	84	79	80	81	67	69	82	81	93	93	90	101	100	87	87	99	112	118	67	64	145	144	95	122	114
08:30	107	16	104	108	138	149	134	136	100	117	99	138	135	151	157	153	164	163	143	143	163	181	191	102	156	226	223	127	191	180
09:00	175	14	161	171	217	232	202	201	118	174	88	207	200	224	239	228	230	234	204	204	237	261	262	142	171	309	303	185	266	253
09:30	241	26	226	231	305	317	279	279	173	240	198	285	268	305	329	303	311	318	276	276	315	346	339	186	213	400	385	239	349	323
10:00	315	76	294	296	389	385	354	373	252	305	251	365	337	385	406	309	389	395	346	346	393	432	319	168	383	476	467	341	434	396
10:30	344	109	361	155	467	458	427	444	310	374	332	443	404	458	480	444	463	454	406	406	458	512	389	228	334	534	542	482	506	465
11:00	412	205	373	227	537	522	492	515	379	402	285	502	461	518	543	504	523	524	457	457	518	576	424	315	208	623	613	508	562	525
11:30	422	109	446	356	591	573	541	571	434	454	312	548	506	562	584	548	571	563	511	511	558	621	592	453	454	646	654	499	601	548
12:00	388	110	472	380	608	600	569	598	516	488	219	576	536	589	613	571	599	619	526	526	512	647	584	422	647	693	551	494	616	524
12:30	368	271	479	406	617	606	581	596	598	496	326	588	541	599	614	576	604	614	528	528	598	648	508	488	416	676	350	478	620	514
13:00	380	135	468	481	601	594	569	574	415	487	431	576	530	583	601	561	583	598	502	502	364	634	527	569	369	656	276	422	599	459
13:30	421	173	439	480	564	470	531	548	493	455	260	542	501	550	562	521	551	482	459	459	332	597	398	468	263	550	279	404	567	462
14:00	374	330	394	432	513	493	482	501	503	402	283	492	454	502	507	474	499	301	432	432	302	546	482	280	249	531	432	381	517	437
14:30	366	233	329	377	445	425	415	440	356	304	298	427	394	438	442	410	434	301	385	385	324	471	419	365	260	394	536	316	447	407
15:00	229	261	237	305	370	348	341	358	315	298	193	352	327	364	365	333	360	346	309	309	323	392	210	286	139	353	319	231	370	338
15:30	121	221	154	232	289	267	263	276	216	223	105	273	257	283	281	255	282	196	232	232	260	315	219	149	127	259	260	163	292	258
16:00	63	150	133	164	209	187	186	189	192	105	99	198	186	205	207	171	208	131	168	168	142	236	246	91	137	184	238	129	186	132
16:30	51	94	81	106	134	118	122	124	121	90	63	128	121	137	138	84	138	89	112	112	71	158	148	79	128	147	152	103	127	71
17:00	27	49	50	59	76	68	68	78	69	53	22	72	70	81	80	52	80	43	66	66	62	95	98	43	92	88	72	107	80	3
17:30	19	24	23	28	37	33	33	40	35	26	17	35	35	39	38	27	47	27	34	34	41	49	41	30	40	41	40	52	44	0
18:00	5	9	8	11	13	12	13	14	13	10	6	13	14	16	16	9	17	15	13	13	17	22	13	11	9	19	19	20	19	0
18:30	1	2	2	2	3	3	2	3	3	2	2	3	3	3	4	2	5	4	3	3	4	6	3	3	1	5	6	5	5	1
19:00	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.53 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN MAY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
05:30	2	1	1	0	1	1	0	1	1	1	2	1	1	1	1	2	1	2	2	2	2	2	2	3	2	3	2	2	2	2	3
06:00	8	4	5	4	5	5	6	6	6	7	6	7	8	7	9	9	9	8	10	8	8	9	10	10	10	10	11	11	11	9	10
06:30	14	16	16	17	17	17	17	21	20	19	21	22	24	23	25	26	22	26	27	23	26	28	30	29	27	29	31	27	30	22	27
07:00	34	40	41	40	40	40	43	49	50	48	49	51	51	53	59	60	44	60	65	52	55	56	64	62	56	62	64	59	69	47	57
07:30	70	83	82	82	80	81	84	96	94	89	98	98	101	101	111	111	77	113	121	95	103	96	121	110	104	114	116	102	124	97	101
08:00	99	142	141	145	135	138	144	163	157	156	162	161	288	166	178	180	134	182	192	162	165	144	201	174	167	184	188	152	190	170	162
08:30	189	216	214	221	203	217	216	243	238	231	241	243	256	245	264	263	186	262	276	224	244	229	295	250	242	265	273	213	276	202	236
09:00	271	300	298	255	284	279	298	325	323	313	328	335	328	331	355	358	285	352	364	308	329	335	380	334	330	354	362	305	339	267	316
09:30	346	387	385	396	368	307	384	411	411	402	413	423	146	421	448	454	476	444	451	385	418	445	469	424	419	446	447	349	465	343	395
10:00	430	473	467	493	451	396	470	494	493	482	493	505	503	504	534	536	504	533	510	464	500	550	567	509	495	531	528	490	496	406	479
10:30	485	548	543	569	523	508	549	576	559	555	568	577	586	572	610	613	449	607	387	539	573	594	645	582	571	603	606	494	552	453	557
11:00	560	602	605	537	584	558	612	638	611	612	633	638	624	628	673	658	378	670	368	598	631	594	710	642	633	664	669	455	593	463	617
11:30	616	638	659	478	625	400	658	672	658	653	668	678	675	680	721	669	505	713	467	639	676	664	760	693	670	707	715	414	628	491	662
12:00	640	657	680	467	648	259	686	691	676	673	687	689	699	649	748	668	581	734	420	662	697	735	739	701	693	733	732	430	650	533	694
12:30	640	659	679	414	648	212	690	691	686	670	692	700	698	708	750	760	569	736	269	664	705	619	760	712	690	731	737	472	620	576	575
13:00	628	645	656	383	629	145	666	670	669	650	673	665	799	663	730	727	585	715	343	645	684	603	743	629	673	712	721	705	608	576	320
13:30	583	610	611	526	591	187	628	634	634	612	637	601	634	523	691	675	392	675	541	608	644	697	670	133	640	673	676	587	554	613	305
14:00	539	554	542	517	537	207	570	583	584	528	584	583	392	494	628	616	140	568	598	557	596	613	585	406	589	617	568	560	343	498	443
14:30	468	483	473	502	471	227	510	525	496	479	510	514	443	518	555	541	70	448	503	489	525	557	441	510	520	544	403	449	322	549	399
15:00	382	404	395	415	393	275	426	370	448	404	428	362	390	435	469	450	42	350	409	414	445	461	411	322	438	459	395	412	348	460	346
15:30	298	319	314	318	315	258	334	362	337	311	344	213	286	346	381	364	38	224	321	332	360	380	298	122	357	376	253	337	366	383	222
16:00	217	238	233	245	212	193	252	250	253	222	258	132	231	260	289	264	65	231	248	250	277	292	281	115	274	287	219	272	333	291	234
16:30	144	162	149	149	111	153	174	174	135	163	181	98	150	182	204	145	53	147	169	177	197	194	204	113	197	206	137	194	211	209	129
17:00	85	99	92	90	59	93	106	111	68	102	114	53	87	114	129	55	5	81	109	112	125	112	117	59	130	133	88	128	142	137	99
17:30	46	53	47	54	34	46	59	59	37	57	63	38	60	64	71	29	19	54	59	63	72	59	61	39	75	76	55	83	83	79	51
18:00	21	24	17	25	15	20	28	29	20	26	29	20	23	31	34	18	8	25	29	31	35	27	21	21	38	35	27	43	42	40	25
18:30	7	7	5	8	5	7	8	9	7	9	10	6	9	11	12	9	0	9	11	12	13	10	9	11	15	14	12	16	17	17	10
19:00	1	1	1	1	0	1	1	2	2	2	2	1	1	2	3	2	2	3	3	2	3	3	3	3	4	4	3	4	4	4	2
19:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	1	1	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.54 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN JUNE

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0
05:30	0	1	1	1	1	1	1	0	1	3	3	3	3	3	1	1	2	3	3	2	2	2	3	3	2	2	2	3	2	1
06:00	3	6	6	5	6	5	6	1	6	11	11	10	11	19	6	6	12	12	11	12	11	11	10	10	11	11	10	10	10	8
06:30	10	18	17	16	17	16	18	2	18	31	30	30	30	45	19	20	31	32	31	31	31	32	30	29	29	28	29	28	25	25
07:00	29	45	43	40	40	33	43	12	44	65	66	62	65	88	47	46	66	66	66	66	66	66	64	63	61	61	60	61	49	56
07:30	61	91	82	77	80	64	87	43	85	116	119	111	118	150	90	89	117	118	119	119	116	118	115	112	110	110	110	94	82	106
08:00	112	147	140	134	136	102	149	115	146	189	183	176	186	225	150	150	180	187	188	186	181	184	180	181	172	175	176	150	154	167
08:30	178	201	211	204	198	140	123	208	224	274	261	259	271	307	226	226	262	268	270	265	260	268	262	265	246	253	255	247	214	244
09:00	251	292	291	282	256	256	159	285	309	368	351	343	359	396	309	309	348	358	353	348	341	357	344	352	335	334	341	334	333	324
09:30	335	395	373	369	326	413	201	369	398	407	444	432	447	481	399	398	439	450	438	436	427	443	430	450	426	422	427	416	402	410
10:00	422	486	453	446	386	475	485	458	485	496	529	516	533	560	486	482	522	536	524	520	507	526	506	534	502	504	512	502	496	491
10:30	501	554	520	517	393	555	376	538	601	554	601	594	609	634	566	557	600	613	600	596	580	598	580	607	577	588	587	577	279	565
11:00	575	622	572	581	469	622	152	605	666	699	652	649	673	689	637	625	662	672	664	663	640	648	642	670	633	653	646	641	625	580
11:30	629	667	617	633	639	558	153	657	715	712	693	703	717	725	688	679	708	723	710	710	683	686	692	717	677	700	693	693	687	713
12:00	674	704	656	669	543	560	278	688	740	743	710	733	737	739	719	715	731	751	737	731	703	708	724	740	696	725	718	720	713	709
12:30	693	716	678	683	361	596	214	696	747	753	638	744	755	729	737	730	734	760	738	740	694	656	730	748	705	731	725	733	726	658
13:00	688	706	679	672	508	606	301	692	727	734	651	731	733	713	735	726	719	747	720	725	674	390	718	732	691	713	720	725	710	660
13:30	778	679	646	644	452	390	207	666	692	694	600	711	697	660	707	703	681	712	689	691	648	475	686	690	660	678	648	691	423	664
14:00	622	637	591	595	399	377	347	623	635	646	546	641	592	574	674	659	631	657	638	645	601	634	637	636	610	626	624	634	39	626
14:30	557	565	535	542	355	415	232	562	566	576	517	590	423	407	503	599	567	587	575	581	440	518	571	567	565	569	423	563	12	334
15:00	487	398	438	444	307	292	327	494	485	497	446	505	227	188	474	525	456	504	494	501	403	230	491	476	481	302	426	477	90	230
15:30	407	351	346	237	298	61	392	410	394	407	375	393	248	310	365	442	304	412	413	401	274	381	361	338	207	165	383	364	279	240
16:00	323	238	309	147	207	139	266	324	306	317	287	291	312	287	277	355	231	189	329	298	227	326	148	306	49	115	309	316	315	273
16:30	245	205	232	227	154	102	247	242	224	230	195	201	199	210	223	249	144	151	248	195	211	172	50	240	59	82	227	242	215	200
17:00	165	93	157	126	83	96	180	167	150	154	148	164	155	100	164	164	131	155	163	145	154	94	50	161	161	73	167	162	115	122
17:30	105	64	90	102	37	60	102	105	90	95	90	106	92	58	111	101	83	80	104	87	98	99	56	97	114	45	84	101	39	76
18:00	58	41	43	52	24	36	62	57	47	49	48	53	60	27	69	70	50	45	56	44	55	53	44	53	57	22	46	40	33	39
18:30	27	22	22	23	12	21	30	28	20	23	20	23	19	12	39	36	22	20	25	21	24	22	20	22	24	18	21	12	21	23
19:00	10	9	8	8	8	7	10	10	6	7	7	7	6	2	14	15	8	6	9	7	8	6	7	7	8	5	7	7	7	9
19:30	2	2	2	2	2	2	3	3	1	1	2	2	0	1	3	4	1	1	1	1	1	1	2	2	2	0	1	1	1	1
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.55 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN JULY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	1	1	2	2	2	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
06:00	9	6	9	9	8	9	5	6	8	9	8	8	5	7	6	7	6	5	5	6	6	6	6	5	5	6	5	4	6	3	5
06:30	24	19	27	25	26	25	16	19	24	25	25	26	21	22	9	22	22	24	16	21	21	19	19	19	15	19	19	12	19	10	19
07:00	53	46	59	54	58	52	25	36	56	58	56	56	53	49	37	49	51	62	28	49	48	48	46	44	34	46	46	32	46	34	47
07:30	103	73	106	99	104	103	47	72	103	107	105	102	106	94	96	97	95	117	53	93	92	92	89	81	62	89	88	90	87	88	90
08:00	165	123	186	161	170	176	55	143	172	173	155	162	165	166	168	160	164	191	91	155	152	154	151	146	138	152	150	164	145	150	148
08:30	243	230	251	241	247	256	94	219	253	251	253	238	240	236	203	240	243	264	178	229	228	230	222	217	222	231	226	152	218	225	211
09:00	331	311	308	331	335	344	98	214	326	340	347	318	322	321	289	329	316	345	240	314	312	320	310	300	302	318	309	234	291	307	299
09:30	414	383	358	424	422	438	191	376	434	435	439	341	421	426	356	418	404	434	283	401	400	409	393	381	388	406	400	396	394	391	392
10:00	487	457	446	509	484	521	270	453	521	526	527	491	452	411	312	500	487	520	424	480	488	494	473	455	474	490	487	487	488	477	479
10:30	561	405	548	587	561	599	347	470	599	602	602	565	551	466	379	581	565	583	509	570	563	571	551	538	546	558	561	566	564	551	554
11:00	624	435	546	653	638	665	661	613	671	665	665	635	653	687	522	658	638	568	630	641	633	622	617	594	612	618	629	634	626	549	619
11:30	632	545	694	700	701	715	711	670	719	716	715	606	650	632	681	391	689	216	683	701	683	656	666	644	653	664	682	681	683	644	670
12:00	685	617	757	730	729	747	710	650	748	743	747	707	760	656	401	533	719	254	712	647	713	667	695	681	674	695	705	709	718	699	700
12:30	694	632	692	738	742	758	727	664	699	756	758	687	711	626	652	743	730	717	722	702	721	687	706	688	707	702	718	705	707	697	717
13:00	659	616	729	727	726	747	751	713	703	744	742	579	364	694	511	733	716	650	714	536	708	714	688	679	676	676	709	699	657	680	708
13:30	534	555	619	696	703	719	695	711	714	712	711	84	102	403	559	698	686	317	685	610	679	694	660	655	588	644	653	664	693	650	658
14:00	340	415	643	646	655	668	669	680	667	662	658	36	70	357	551	655	656	314	634	559	633	642	613	603	502	606	597	617	630	601	598
14:30	185	425	590	580	598	602	620	556	601	596	588	100	91	551	527	539	550	463	561	431	568	588	546	505	518	380	478	560	497	536	401
15:00	153	155	526	504	517	523	384	387	522	517	506	162	214	542	429	195	518	366	518	239	492	513	470	220	480	252	386	479	423	456	177
15:30	309	203	454	422	426	436	122	355	430	429	421	389	289	383	395	90	421	184	383	367	408	420	389	91	345	251	270	392	365	373	118
16:00	316	193	364	339	264	345	73	299	340	336	336	283	307	334	334	133	349	74	97	273	319	341	307	29	198	178	319	306	281	287	31
16:30	168	157	266	257	177	254	44	238	252	223	248	53	188	249	267	141	45	120	200	232	234	280	214	35	100	86	207	235	147	207	5
17:00	65	123	180	130	151	173	74	162	172	158	172	25	75	128	179	118	9	94	148	163	155	168	97	49	65	39	95	153	21	137	0
17:30	49	75	104	24	98	101	48	99	104	102	107	8	41	17	98	95	9	49	62	95	94	96	48	45	42	31	46	94	1	80	1
18:00	26	38	57	21	46	48	17	55	54	59	59	10	24	18	51	52	15	33	39	43	49	46	33	29	16	19	21	45	1	41	3
18:30	10	17	27	12	17	22	14	27	25	26	27	0	11	11	21	24	13	16	20	16	22	18	15	16	9	8	13	14	0	16	16
19:00	2	5	9	2	4	5	6	8	8	8	8	1	4	4	7	6	3	6	6	5	7	4	4	4	3	2	3	3	2	4	5
19:30	1	1	1	0	1	1	1	1	1	2	2	0	1	1	1	0	1	1	1	1	1	1	0	0	0	1	1	0	0	0	1
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
20:30	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.56 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN AUGUST

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	1	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
06:00	5	4	2	4	4	3	4	3	4	4	4	4	3	4	3	3	3	3	1	2	2	2	1	1	1	2	1	1	1	1	2
06:30	15	11	4	9	17	14	16	12	16	16	15	14	14	14	11	13	13	12	9	10	11	10	11	6	5	8	4	9	10	10	9
07:00	35	29	16	19	45	39	40	33	39	42	38	39	36	38	36	40	38	36	22	31	33	28	34	14	22	23	14	25	30	30	29
07:30	71	63	33	45	88	84	79	72	81	77	80	79	75	78	70	82	79	77	31	53	73	62	73	32	38	48	25	59	64	65	65
08:00	144	75	23	69	147	146	144	110	144	133	136	141	115	138	141	141	139	135	64	93	130	108	132	64	52	89	42	115	119	121	118
08:30	170	92	50	139	224	197	226	183	220	217	205	213	122	215	223	219	214	210	99	160	208	193	195	112	64	143	55	166	190	191	188
09:00	221	170	53	246	311	279	311	157	305	304	303	297	221	298	299	302	298	295	139	291	287	295	274	124	97	200	38	257	277	276	267
09:30	311	178	31	249	401	386	402	281	392	396	389	385	280	390	346	385	386	393	190	379	381	335	334	170	152	224	27	306	360	366	353
10:00	486	172	60	455	487	471	486	474	477	477	473	467	318	482	355	471	473	441	218	459	469	427	441	216	216	316	21	343	441	453	430
10:30	585	317	96	557	567	554	564	567	556	547	546	541	486	554	436	544	547	513	141	548	548	491	516	201	246	413	27	477	518	522	501
11:00	578	528	81	622	631	616	634	634	632	606	600	620	569	621	541	611	616	601	144	627	612	595	570	208	229	517	44	561	576	581	559
11:30	549	442	108	671	679	662	682	679	681	646	661	664	622	670	654	662	662	644	144	652	657	628	622	257	225	572	53	606	615	626	604
12:00	583	291	136	709	707	691	714	707	714	690	686	699	471	699	698	687	693	659	184	681	679	678	631	310	243	474	78	651	637	651	631
12:30	493	236	160	721	716	698	729	701	716	699	698	712	660	702	707	690	723	679	232	675	683	659	666	343	378	450	128	658	639	651	635
13:00	127	214	395	665	699	686	595	684	702	681	407	700	659	682	687	675	723	596	182	443	670	629	611	350	322	361	198	618	625	629	615
13:30	419	218	440	660	662	649	205	652	665	645	222	667	214	618	638	645	663	532	475	65	634	553	443	340	239	453	202	449	590	590	577
14:00	651	207	358	608	607	600	120	597	609	542	137	613	478	608	594	585	587	511	533	11	569	565	467	414	218	476	229	270	533	533	519
14:30	490	238	320	529	537	570	112	533	541	425	101	537	543	473	327	525	479	384	455	48	503	492	352	421	317	373	189	250	462	459	448
15:00	448	255	269	455	403	372	122	281	457	449	313	452	444	444	119	440	436	235	297	110	419	201	316	402	335	280	137	384	382	382	375
15:30	94	337	124	368	375	110	111	80	371	332	361	359	311	334	38	351	307	184	299	149	340	229	197	293	313	199	121	347	300	296	261
16:00	204	237	74	214	303	21	124	203	283	235	157	274	182	261	54	264	214	126	262	219	249	52	200	241	237	103	80	220	218	214	171
16:30	178	107	84	138	213	8	84	100	168	159	182	192	131	176	95	184	174	91	147	186	171	38	69	159	127	80	55	128	144	138	116
17:00	128	44	75	106	135	9	74	86	123	119	106	121	125	118	64	116	83	49	109	99	100	9	30	90	87	65	26	78	84	82	72
17:30	79	15	66	58	67	27	70	67	71	64	43	67	66	63	38	60	39	28	58	55	50	2	11	40	48	28	20	42	42	38	35
18:00	36	7	33	29	36	34	33	33	34	27	16	32	29	28	16	25	9	14	23	23	21	1	10	14	17	8	13	15	14	13	12
18:30	13	2	12	12	14	13	12	11	11	10	6	10	10	7	6	8	2	4	6	7	4	0	4	4	2	1	3	4	2	3	3
19:00	3	1	2	3	3	2	2	2	3	2	2	3	2	1	1	1	1	0	0	0	1	0	0	1	0	0	0	0	1	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.57 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN SEPTEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
06:30	9	8	8	8	8	6	8	8	7	7	6	6	5	1	3	4	2	3	2	5	5	5	5	5	5	2	2	2	2	2
07:00	29	25	24	26	26	19	26	25	25	23	23	23	16	7	8	19	5	6	11	17	17	17	17	17	17	12	11	10	10	10
07:30	64	60	54	60	61	45	60	61	60	56	54	55	39	17	26	48	23	28	41	45	45	45	45	45	45	34	33	31	33	31
08:00	116	116	109	113	112	93	114	114	112	107	106	107	68	32	59	97	86	56	86	89	89	89	89	89	89	73	70	66	69	66
08:30	185	182	177	183	184	180	183	185	179	174	174	173	114	25	151	160	93	61	147	147	147	147	147	147	147	127	123	116	122	119
09:00	265	260	263	262	265	270	265	268	253	254	248	252	201	48	227	233	72	92	218	215	215	215	215	215	215	192	186	183	191	186
09:30	352	345	348	344	352	326	355	356	335	339	328	320	225	83	297	308	50	155	305	285	285	285	285	285	285	266	257	257	268	260
10:00	433	429	379	426	426	411	441	440	413	420	402	388	268	91	326	369	81	271	353	352	352	352	352	352	352	336	328	328	345	336
10:30	505	504	504	491	495	498	503	513	489	489	478	458	288	91	458	309	221	313	413	418	418	418	418	418	418	404	396	388	413	399
11:00	562	566	561	569	563	559	566	571	548	539	535	521	357	107	490	458	188	243	539	472	472	472	472	472	472	462	453	444	470	468
11:30	609	607	602	611	606	603	609	607	590	579	575	559	295	182	420	505	108	172	415	489	489	489	489	489	489	503	488	484	504	506
12:00	632	629	618	630	630	625	631	630	608	591	582	573	386	188	512	605	201	378	341	524	524	524	524	524	524	522	511	504	524	524
12:30	630	633	617	625	628	629	627	630	609	582	583	573	409	218	379	555	361	515	485	536	536	536	536	536	536	516	502	506	522	521
13:00	608	611	602	590	611	589	602	606	589	561	584	554	322	291	402	545	236	217	422	493	493	493	493	493	493	506	285	491	503	503
13:30	566	570	559	511	568	381	567	567	545	519	421	431	268	296	325	414	260	128	477	439	439	439	439	439	439	461	320	450	461	465
14:00	495	511	504	439	508	474	452	507	490	457	453	288	180	169	399	366	197	165	424	390	390	390	390	390	390	369	302	394	409	402
14:30	321	435	433	388	433	431	371	434	417	290	407	358	143	236	320	334	143	86	315	331	331	331	331	331	331	319	321	327	341	338
15:00	268	352	356	338	356	352	337	354	340	74	315	202	185	234	154	243	187	54	255	255	255	255	255	255	255	119	262	258	267	265
15:30	229	269	274	259	274	273	270	268	260	170	244	175	157	85	24	185	116	45	194	194	194	194	194	194	194	125	186	189	194	191
16:00	197	188	158	188	191	193	190	189	185	171	169	150	96	47	6	116	80	67	139	139	139	139	139	139	139	125	120	125	126	124
16:30	128	118	80	121	122	121	119	119	116	74	106	84	49	54	11	31	56	32	82	82	82	82	82	82	82	64	67	70	71	70
17:00	71	68	50	62	63	65	66	65	63	35	57	40	20	26	14	33	30	29	44	44	44	44	44	44	44	30	31	32	34	32
17:30	35	31	29	27	25	26	29	29	25	8	24	20	8	8	13	12	12	8	18	18	18	18	18	18	18	11	10	11	11	11
18:00	12	11	10	9	7	8	9	9	7	3	7	5	2	2	3	2	3	2	5	5	5	5	5	5	5	2	2	2	2	2
18:30	2	2	2	2	1	1	2	1	1	0	1	0	1	0	0	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.58 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN OCTOBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	2	1	1	2	1	1	0	1	1	1	1	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	0	1	0
07:00	10	10	10	10	9	3	3	7	9	7	5	3	3	4	5	5	5	5	4	5	4	1	2	3	3	3	3	2	1	1	2
07:30	30	30	32	30	31	9	4	20	26	25	18	13	14	7	18	18	19	18	18	17	16	8	7	14	14	14	12	11	8	6	10
08:00	65	65	72	69	67	15	16	48	54	46	27	15	36	18	46	43	44	44	43	45	42	10	24	35	35	36	33	24	25	20	27
08:30	118	117	128	124	115	31	37	104	90	89	68	38	78	50	86	85	85	84	83	86	80	37	65	69	71	71	54	37	24	47	55
09:00	182	184	193	188	169	57	63	162	164	110	142	61	132	93	136	137	140	137	137	138	127	19	102	116	115	113	74	43	79	90	97
09:30	259	258	263	265	242	79	98	238	231	151	213	75	229	164	187	193	199	197	199	197	184	21	167	173	165	169	137	88	151	140	146
10:00	330	333	331	342	327	206	119	306	305	115	226	73	276	110	247	257	264	266	261	255	241	25	217	228	148	221	203	137	201	189	196
10:30	393	398	396	352	398	225	99	396	365	24	235	52	262	165	307	323	322	324	319	309	290	28	209	279	139	250	203	205	235	235	236
11:00	441	449	452	393	451	193	104	436	432	58	371	85	342	340	352	372	370	372	370	350	336	74	292	320	275	309	229	303	287	279	269
11:30	480	486	494	380	493	155	122	465	497	235	447	89	265	391	377	401	400	398	400	379	367	141	312	350	319	334	230	178	334	224	255
12:00	504	509	510	447	498	213	211	494	462	398	456	110	396	412	385	417	413	406	410	396	386	291	310	366	323	322	196	127	351	157	288
12:30	503	507	448	368	440	216	213	510	466	445	476	179	393	394	386	410	409	390	407	393	367	336	309	362	328	249	26	177	351	146	243
13:00	483	489	460	435	248	377	198	485	431	436	452	237	344	299	372	385	388	368	385	370	335	170	304	345	321	196	11	221	271	158	204
13:30	444	445	320	459	211	269	145	458	399	340	388	186	279	247	337	317	353	339	347	333	303	116	301	313	313	212	78	193	162	136	189
14:00	394	389	209	385	283	136	136	359	368	89	188	167	290	199	290	304	303	292	296	283	259	126	203	266	276	160	93	170	76	141	187
14:30	332	323	208	315	270	113	96	309	300	70	111	135	144	239	234	244	242	236	237	229	207	219	171	215	221	111	71	101	141	92	174
15:00	256	253	208	223	191	73	51	226	229	142	102	102	104	185	178	185	180	177	177	170	139	160	110	156	156	90	97	84	38	70	119
15:30	185	183	172	154	117	69	47	158	165	78	58	104	101	123	122	126	118	117	117	112	91	104	83	103	105	69	65	71	24	49	75
16:00	120	119	109	99	85	35	42	86	102	47	39	82	63	75	72	75	71	69	68	64	59	60	57	60	58	40	44	47	8	29	41
16:30	69	66	60	57	46	11	21	39	51	11	9	36	30	37	37	38	36	35	33	31	27	31	27	28	26	18	21	20	5	14	18
17:00	33	31	20	24	10	4	12	13	21	1	10	12	9	14	14	15	14	12	11	10	9	10	9	9	8	5	7	5	1	4	5
17:30	10	9	3	7	4	0	4	3	6	1	3	3	2	3	2	2	2	3	3	2	1	2	1	2	1	0	0	0	0	1	1
18:00	1	2	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.59 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN NOVEMBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	2	2	0	1	2	2	2	2	2	2	2	2	2	1	1	1	1	0	1	1	0	0	1	1	1	0	1	0	1	1
07:30	8	17	5	6	7	6	11	11	11	9	10	9	9	8	4	6	6	6	6	6	7	6	4	5	4	4	3	3	1	2
08:00	23	27	16	18	23	18	30	28	30	26	28	27	27	20	11	21	19	16	20	19	20	17	11	18	17	15	14	13	6	10
08:30	45	57	36	45	46	34	62	46	64	54	56	57	57	45	31	44	41	35	43	43	46	43	30	42	41	36	31	31	18	25
09:00	96	99	82	83	76	87	104	94	104	79	98	100	99	78	37	76	66	65	76	76	82	82	40	75	73	67	58	56	35	49
09:30	117	147	108	127	121	105	150	102	146	118	147	149	147	118	52	116	93	106	118	118	128	123	59	113	110	107	88	91	41	81
10:00	145	201	148	173	134	171	200	112	193	139	195	198	194	162	142	158	113	157	163	165	179	164	33	151	151	147	123	115	60	110
10:30	216	244	153	218	192	225	249	163	238	165	239	242	236	209	180	192	133	198	198	212	223	207	47	189	188	184	158	101	81	137
11:00	238	276	171	250	254	240	290	263	278	201	275	287	272	240	182	223	174	230	229	250	257	261	55	223	222	213	192	126	119	162
11:30	198	296	186	272	268	227	311	288	288	243	298	309	297	256	184	240	242	251	224	276	277	267	135	247	240	222	214	144	133	186
12:00	198	306	249	276	283	243	313	305	283	254	307	314	309	260	239	247	234	262	245	279	285	274	212	257	247	231	223	159	147	209
12:30	248	306	265	284	281	265	312	280	251	261	304	297	301	255	258	244	217	259	253	261	279	262	163	258	242	229	220	198	175	206
13:00	218	287	109	242	245	242	283	192	231	236	283	281	275	240	241	228	228	238	234	243	258	222	155	242	225	209	207	186	174	184
13:30	189	253	46	223	208	222	245	121	238	223	246	238	236	198	212	199	187	210	201	210	225	166	98	208	196	181	176	156	148	157
14:00	161	215	9	178	148	176	204	82	172	177	204	193	192	148	175	162	135	163	162	173	184	145	84	170	159	145	145	125	91	129
14:30	124	165	46	154	111	116	157	70	106	135	153	152	146	120	124	121	95	122	120	129	137	104	82	124	118	108	104	91	68	96
15:00	97	94	91	111	82	86	109	44	84	92	106	106	97	81	92	82	59	78	81	85	92	69	65	82	78	71	68	60	45	64
15:30	54	15	34	70	54	56	68	36	44	56	62	62	51	45	54	48	34	48	48	50	55	37	40	49	45	42	40	28	31	37
16:00	26	2	16	37	29	29	34	15	18	27	31	32	22	23	26	24	18	22	22	26	26	16	18	23	22	19	19	10	15	18
16:30	13	11	13	15	12	10	13	4	7	10	12	11	8	9	8	9	5	8	8	8	9	6	6	8	6	6	6	2	5	5
17:00	4	4	3	4	3	2	2	1	1	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	2	1	1	0	0	1
17:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.60 UV DATA BASE - 1974 ALBUQUERQUE, NEW MEXICO

COUNTS BY TIME OF DAY FOR EACH DAY IN DECEMBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
07:30	3	2	3	2	3	2	2	1	2	1	1	2	1	2	1	1	2	2	1	1	1	1	1	1	1	1	1	0	0	1	1
08:00	11	10	11	10	7	6	11	5	8	7	7	6	4	7	6	7	6	5	6	5	5	6	5	5	3	3	4	4	5	4	4
08:30	26	24	29	26	13	21	27	15	22	16	17	22	15	18	15	17	19	16	16	14	17	15	15	13	11	6	15	12	14	14	13
09:00	49	48	55	52	22	45	52	28	43	34	39	43	34	36	35	35	40	32	33	31	33	33	30	29	23	12	36	30	29	29	35
09:30	81	75	88	85	47	72	86	43	70	67	69	70	63	61	58	59	67	55	58	48	59	55	52	50	39	19	67	58	51	49	63
10:00	116	89	116	115	59	80	115	55	96	87	92	94	91	86	83	85	92	78	81	67	88	82	76	73	61	36	100	94	74	75	89
10:30	163	100	157	151	87	97	148	60	131	120	124	133	128	117	116	115	120	105	108	91	114	110	103	96	86	72	134	133	94	93	118
11:00	196	151	191	184	152	139	194	66	162	151	156	163	165	142	146	140	149	132	138	122	144	139	132	113	122	123	160	175	126	103	124
11:30	211	130	216	210	121	189	171	71	181	170	173	176	173	161	169	158	174	150	154	146	167	158	124	130	144	166	182	204	145	114	163
12:00	213	127	226	218	198	178	110	93	187	179	180	181	185	167	180	168	187	161	165	157	177	169	32	136	158	161	202	216	165	107	190
12:30	203	148	218	212	90	204	89	92	184	180	184	184	182	164	168	168	185	163	156	154	174	172	28	144	164	174	213	213	169	112	197
13:00	189	144	203	202	24	173	66	86	173	171	175	172	170	152	146	160	170	155	144	146	166	161	64	138	159	179	198	203	186	94	183
13:30	162	149	177	180	108	163	54	75	153	154	155	150	148	132	106	140	149	133	126	126	148	142	90	120	139	142	171	183	170	80	174
14:00	132	148	143	146	125	136	61	60	120	126	127	120	120	105	80	111	121	109	101	100	120	116	72	97	98	103	139	153	155	58	148
14:30	92	85	108	106	74	100	45	54	88	96	93	91	89	78	56	82	87	81	76	79	90	88	48	72	64	61	104	116	111	28	109
15:00	52	60	72	69	35	67	26	44	58	64	59	61	60	51	35	54	59	55	50	52	60	59	31	47	52	36	72	78	78	42	72
15:30	27	34	42	43	27	38	14	28	34	36	35	36	34	29	21	31	34	34	29	30	34	35	23	28	29	21	41	46	47	40	45
16:00	11	16	19	19	7	17	7	13	16	17	16	17	16	14	10	16	16	15	14	15	16	16	10	13	11	13	20	23	23	16	22
16:30	4	5	7	5	3	6	2	5	5	5	5	5	5	4	4	5	5	5	5	5	4	6	3	5	3	5	7	8	8	5	8
17:00	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	2	2	2	1	2
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

OAKLAND

TABLE A.61 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN JANUARY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	1	0	1
08:00	2	2	0	2	2	2	1	2	1	2	1	2	2	2	1	1	3	1	2	1	3	2	3	4	3	3	3	3	1	2	3
08:30	7	7	1	5	6	4	4	8	3	7	5	4	6	5	2	2	8	2	5	6	9	9	10	12	7	10	11	10	5	6	15
09:00	17	16	3	15	13	5	8	20	9	17	12	17	17	8	8	4	18	5	16	10	20	23	24	29	19	23	25	19	12	15	25
09:30	31	30	3	25	21	17	12	36	18	34	20	32	41	20	16	9	42	23	25	37	37	45	45	53	27	41	47	26	24	36	36
10:00	50	47	5	37	9	24	22	60	24	49	30	43	68	22	25	10	63	26	41	56	61	73	73	81	50	65	74	43	33	60	61
10:30	70	68	8	45	18	52	41	84	30	66	53	58	94	31	38	14	87	21	73	72	83	98	98	113	91	94	100	79	55	92	81
11:00	91	86	7	62	36	66	61	107	39	98	50	73	121	39	37	29	103	49	84	81	101	122	125	142	136	120	124	119	84	137	89
11:30	109	105	9	83	37	71	84	127	45	122	60	92	143	27	51	43	144	56	95	68	121	147	147	166	160	142	148	147	123	149	69
12:00	121	116	6	108	23	61	91	134	55	136	65	94	154	28	53	79	150	49	99	112	135	163	166	185	174	158	164	159	141	150	42
12:30	123	117	4	107	17	49	111	136	71	127	53	116	162	22	54	73	161	83	99	152	143	170	175	194	177	164	173	160	156	178	38
13:00	119	109	4	96	30	56	95	131	73	95	45	103	159	28	61	51	164	79	116	155	145	168	182	194	175	162	168	153	154	168	42
13:30	106	97	3	84	86	44	99	120	76	77	36	77	148	23	66	31	158	64	131	140	135	159	169	180	162	150	154	146	143	172	47
14:00	89	83	6	75	72	37	96	103	65	79	36	92	129	17	61	27	140	55	96	114	113	139	139	159	136	125	131	128	122	149	35
14:30	68	64	4	48	59	19	81	80	58	60	31	104	107	20	46	23	113	80	79	92	89	116	110	128	110	106	107	102	101	122	33
15:00	48	46	2	36	17	14	53	58	43	46	24	75	77	14	38	12	77	68	66	72	68	87	80	92	85	80	80	76	80	94	29
15:30	30	28	2	22	14	12	33	37	26	35	11	49	49	12	26	9	56	39	47	41	46	60	56	62	56	54	55	54	56	66	25
16:00	15	15	2	13	9	8	17	20	16	20	6	27	28	5	24	7	31	17	22	25	26	36	35	37	33	32	34	30	34	39	15
16:30	6	6	1	5	4	3	6	9	7	8	3	12	13	5	10	6	14	13	10	12	13	17	17	18	16	16	17	16	18	19	13
17:00	2	2	0	2	1	0	2	2	1	2	1	3	3	1	3	1	4	4	3	4	4	6	6	6	6	6	6	5	6	7	5
17:30	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	2	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.62 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN FEBRUARY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	1	0	0
07:30	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	1	3	1
08:00	2	5	5	5	5	5	5	6	6	6	2	5	7	5	8	7	8	5	11	11	5	10	11	12	11	8	7	3
08:30	7	16	16	13	16	15	16	16	16	18	6	9	18	15	21	21	21	12	26	27	11	24	29	29	28	21	18	10
09:00	23	34	35	31	33	32	33	35	35	40	10	14	38	32	43	41	43	28	50	53	21	45	55	54	50	35	34	11
09:30	54	61	61	53	56	57	56	63	61	70	16	18	65	56	72	66	72	47	82	89	21	77	91	84	73	64	55	12
10:00	90	94	88	72	84	86	88	95	93	105	24	53	93	66	117	97	107	55	120	120	26	117	129	118	95	90	74	22
10:30	126	126	117	105	118	117	119	129	130	138	44	98	129	100	131	128	145	64	160	162	31	140	160	156	136	51	110	34
11:00	150	158	151	155	153	144	144	160	152	163	55	67	164	119	184	157	180	78	197	195	46	193	197	192	185	81	140	69
11:30	138	182	185	183	182	170	167	180	176	189	57	23	189	169	217	183	193	71	229	221	62	225	227	226	238	83	151	72
12:00	157	199	202	191	204	195	182	195	199	209	64	24	200	194	234	200	207	90	252	215	64	249	243	244	191	63	177	14
12:30	206	206	206	198	213	204	183	204	210	215	75	28	197	212	248	209	219	55	266	188	81	261	248	255	244	64	156	11
13:00	209	207	196	188	207	200	193	200	209	203	82	20	187	206	248	204	185	87	262	209	61	255	249	255	220	86	127	13
13:30	199	196	185	186	193	188	186	181	194	190	66	43	174	191	234	189	139	77	245	209	89	231	242	234	236	104	147	14
14:00	176	170	164	169	169	166	162	154	167	172	60	62	139	173	192	166	154	81	219	176	90	204	225	200	216	126	143	31
14:30	142	150	136	141	139	138	136	129	134	140	49	62	112	139	141	138	159	68	181	156	76	180	192	164	182	105	124	15
15:00	106	101	101	112	108	103	109	104	110	106	34	82	82	107	116	107	127	61	140	132	41	142	151	129	142	84	101	5
15:30	73	74	73	80	76	70	77	74	84	75	23	64	58	81	89	77	93	32	100	83	37	102	110	100	95	47	69	7
16:00	46	43	46	49	47	43	50	47	49	50	13	37	35	54	52	49	61	22	65	52	23	68	74	67	66	20	43	8
16:30	24	23	26	26	25	23	27	26	27	27	6	18	19	32	32	27	34	13	37	32	17	39	43	39	36	18	27	9
17:00	9	9	10	10	11	10	11	12	12	11	4	10	9	14	14	13	15	5	17	18	9	19	20	19	16	13	15	4
17:30	2	2	2	3	3	3	3	3	4	4	2	3	2	5	4	4	5	2	5	5	3	6	7	7	6	6	6	1
18:00	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0	1	1	1	1	2	1	1	1	1	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.63 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN MARCH

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	1	1	1	1	1	1	1	2	1	2	2	3	0	0	0	0	1	0	0	1	0	1	1	0	1	1	0	1	1	2
07:30	1	1	5	6	7	3	1	7	7	6	5	8	10	3	3	3	2	1	3	1	3	3	1	1	1	5	6	3	3	5	7
08:00	4	8	15	18	16	13	7	20	22	18	10	20	27	12	11	9	7	6	11	10	9	10	5	6	6	12	13	16	11	19	16
08:30	6	19	35	41	31	21	13	40	47	37	21	40	54	29	26	20	22	13	22	36	13	22	11	13	12	22	31	42	23	20	31
09:00	11	29	64	73	62	26	17	72	81	60	32	76	90	59	45	30	39	26	39	66	28	36	21	23	23	35	40	59	45	42	82
09:30	16	44	104	115	107	37	49	110	123	85	52	85	135	100	75	44	82	37	64	102	85	52	45	35	31	71	96	86	74	51	129
10:00	44	91	151	162	165	59	81	156	160	138	65	86	173	150	140	59	145	47	120	133	120	69	65	50	38	53	165	131	113	151	149
10:30	32	139	199	204	213	57	110	201	213	200	51	138	224	198	125	63	132	91	196	186	122	109	56	76	43	145	178	171	58	189	212
11:00	22	160	242	237	254	70	98	241	260	218	53	232	267	242	194	130	195	149	256	234	110	118	57	115	55	210	172	300	202	322	312
11:30	82	193	273	258	288	70	116	277	297	267	83	293	303	268	219	160	206	260	303	292	146	123	69	133	71	299	257	338	139	299	369
12:00	90	191	298	288	303	108	83	293	320	275	84	269	332	285	302	244	216	339	340	336	154	149	99	216	82	327	297	283	184	269	319
12:30	154	212	306	295	304	169	110	294	335	321	93	370	340	325	274	318	201	376	362	362	165	180	131	299	74	378	257	388	172	224	329
13:00	157	211	299	295	298	256	114	295	332	293	68	360	335	288	298	348	233	380	367	373	141	213	190	349	96	331	167	422	167	329	305
13:30	249	168	278	284	284	165	98	280	316	273	107	306	312	291	243	301	297	363	353	359	165	236	196	388	99	207	103	393	212	275	291
14:00	204	61	250	257	252	178	89	252	278	225	100	274	283	299	247	327	301	334	321	337	190	236	214	360	95	251	62	394	223	243	244
14:30	25	21	213	216	213	185	45	212	222	136	58	209	251	248	269	300	310	287	280	305	200	218	210	298	71	99	63	321	55	201	257
15:00	16	37	168	174	173	126	23	169	166	110	47	152	189	217	211	199	256	236	244	262	234	183	197	239	58	134	29	273	51	159	203
15:30	24	35	123	129	130	90	9	125	122	70	30	150	140	196	195	170	201	190	202	210	178	141	156	241	46	127	20	203	35	229	123
16:00	15	24	93	87	88	49	15	84	87	50	23	102	97	165	145	113	155	149	156	159	143	91	122	172	42	77	28	124	20	185	77
16:30	9	18	46	51	52	19	14	49	53	35	14	63	58	111	91	66	105	107	107	110	92	60	93	112	40	42	45	105	14	130	57
17:00	4	12	24	26	27	14	8	27	27	18	12	32	30	63	48	39	66	69	68	69	59	37	54	69	20	31	28	63	9	80	25
17:30	2	6	10	9	10	6	1	10	10	7	4	11	13	35	35	20	34	37	36	38	35	20	35	33	12	21	13	30	6	44	18
18:00	0	1	2	2	3	2	1	2	3	2	1	3	3	16	14	7	15	17	16	14	12	10	14	16	6	10	7	14	6	21	9
18:30	0	0	0	1	0	0	0	1	0	0	0	0	1	4	3	2	5	5	5	4	4	2	4	4	2	3	1	4	0	7	3
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	1	1	1	2	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.64 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN APRIL

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1
06:30	0	1	0	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	1	1	2	3	1	3	4	4	2
07:00	0	2	3	5	3	3	4	4	2	5	6	6	7	7	6	7	5	6	7	7	8	3	3	8	8	4	12	12	14	8
07:30	1	12	13	13	9	14	14	12	10	16	18	20	21	22	19	19	13	11	21	23	20	9	5	18	20	8	31	32	37	17
08:00	2	31	32	55	22	35	37	29	21	39	42	45	48	50	39	45	22	28	42	48	35	19	16	20	40	9	60	64	71	24
08:30	4	62	66	68	44	69	70	51	50	72	80	86	89	92	66	79	24	50	63	86	55	33	18	42	75	29	103	107	121	42
09:00	5	108	110	114	93	114	115	92	51	119	128	140	144	144	107	123	33	73	110	137	98	56	16	10	128	25	160	160	182	71
09:30	8	166	169	170	151	165	177	145	113	177	188	201	210	207	172	181	45	96	158	193	145	76	31	101	187	39	222	219	251	89
10:00	15	233	233	252	185	235	240	234	104	238	257	266	279	263	246	242	68	165	227	249	241	101	75	215	248	87	287	282	318	129
10:30	26	215	304	297	277	300	282	282	199	299	319	320	343	331	312	303	101	113	280	312	334	162	130	201	311	120	339	348	369	182
11:00	39	197	367	354	346	363	333	373	161	356	373	380	419	377	371	362	126	171	342	368	406	171	170	323	370	289	390	410	426	250
11:30	55	382	407	387	335	417	380	411	370	410	417	433	473	378	424	416	123	256	384	411	454	232	225	398	414	456	432	464	484	310
12:00	86	409	443	411	71	456	392	488	322	451	457	497	512	459	458	454	163	155	421	448	489	364	253	436	186	384	487	500	525	351
12:30	93	475	466	463	76	477	410	518	301	477	487	522	534	509	480	473	195	87	446	471	511	520	356	461	292	361	509	531	532	475
13:00	83	494	474	450	113	475	427	448	450	486	486	527	538	479	482	476	121	77	461	473	513	508	469	466	373	422	507	535	561	501
13:30	60	479	470	442	149	460	453	417	420	476	473	507	522	438	467	461	149	94	453	464	498	496	472	449	457	488	492	527	571	542
14:00	63	445	444	397	160	432	426	428	272	444	448	484	489	420	437	437	146	186	424	443	465	468	326	420	431	355	462	500	549	510
14:30	122	398	400	355	115	389	408	321	355	396	412	444	440	418	393	387	112	326	385	399	417	436	99	374	366	337	418	457	497	456
15:00	79	275	348	307	331	337	364	218	326	346	364	383	373	354	338	315	172	256	331	348	363	368	159	322	315	308	362	400	419	397
15:30	63	213	283	269	180	274	286	239	267	285	300	320	292	261	276	244	167	144	272	286	301	300	151	261	239	279	300	326	350	329
16:00	30	190	218	205	95	209	217	150	199	220	235	245	227	175	213	188	130	104	211	224	234	229	73	202	191	230	234	255	290	257
16:30	21	149	156	160	113	149	164	83	141	156	170	179	169	146	151	143	124	42	157	162	169	165	78	143	141	167	170	187	214	188
17:00	15	97	103	107	79	96	107	58	92	106	113	123	112	107	99	99	82	56	105	109	114	103	94	95	92	112	114	128	145	128
17:30	13	55	59	59	47	56	63	18	53	61	66	72	65	63	57	60	56	37	62	65	68	67	54	56	48	68	70	79	90	79
18:00	11	26	29	28	23	27	31	7	27	31	34	37	33	32	30	32	26	10	33	35	36	37	30	30	22	35	38	44	50	44
18:30	7	10	11	10	5	11	11	3	11	13	14	15	13	13	12	13	6	2	13	14	15	14	11	14	9	16	17	20	23	19
19:00	2	2	2	2	1	2	3	1	2	3	3	4	3	3	3	4	2	2	4	5	4	4	4	4	3	5	6	7	8	7
19:30	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	1	0	1	0	1	1	1	1	1
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.65 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN MAY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	1	1	0	1	1	0	0	0	0	1
06:00	2	0	1	1	0	1	0	1	1	2	1	1	1	2	2	1	2	1	1	2	2	1	2	3	2	2	3	1	2	3	6
06:30	1	4	3	3	1	4	3	6	7	6	6	7	7	7	8	8	5	6	7	4	9	7	10	10	10	12	11	2	4	10	11
07:00	3	12	10	9	4	12	8	20	19	20	20	16	21	22	22	21	16	15	18	11	22	21	26	26	28	30	27	5	15	26	23
07:30	10	26	27	20	7	27	19	41	43	43	45	33	44	47	48	46	19	22	39	27	47	45	55	54	57	61	57	11	28	51	47
08:00	24	46	43	39	14	57	33	68	81	80	81	62	81	84	77	84	44	34	73	69	86	84	94	95	82	105	105	18	63	99	91
08:30	32	78	82	61	22	110	60	129	129	131	131	108	132	135	114	133	87	66	117	119	135	147	145	149	152	161	159	28	91	135	130
09:00	93	111	125	63	39	174	113	197	191	192	192	143	196	203	196	191	123	121	169	161	202	173	207	214	230	235	240	38	177	194	155
09:30	126	140	176	119	50	250	256	265	263	265	261	215	259	278	267	259	192	169	227	184	271	246	273	288	311	315	317	61	261	260	217
10:00	243	226	271	144	60	326	345	336	343	335	335	307	334	355	337	331	257	247	296	244	345	333	343	364	385	387	397	76	338	332	334
10:30	340	356	339	248	81	403	414	404	415	405	413	386	401	425	403	399	349	325	356	340	417	400	410	436	460	460	476	89	411	399	443
11:00	430	426	396	401	93	463	473	460	483	474	483	451	466	491	466	456	415	377	420	435	487	464	476	498	525	527	541	132	476	466	503
11:30	469	508	448	470	116	505	526	511	545	523	536	503	520	545	519	509	475	409	471	518	541	505	538	549	583	574	578	129	533	508	546
12:00	529	549	482	511	143	535	562	558	589	555	568	545	570	587	556	542	507	455	509	559	571	525	564	578	616	612	629	200	572	537	580
12:30	550	575	506	526	148	557	588	581	603	576	576	562	603	609	582	564	526	484	534	575	576	548	570	602	633	634	648	235	597	568	597
13:00	551	575	508	527	182	568	573	599	605	586	574	559	608	612	585	566	529	494	535	572	579	554	552	619	628	636	656	315	604	576	589
13:30	560	560	493	510	235	558	555	586	580	584	561	538	587	593	565	549	511	480	519	549	561	535	552	616	616	607	635	439	593	571	567
14:00	501	527	465	475	318	533	531	557	539	557	530	497	543	555	529	513	479	451	490	518	543	506	552	576	579	571	599	447	561	545	523
14:30	470	477	416	431	425	471	483	502	487	503	487	450	479	507	482	462	432	409	446	459	483	470	503	458	532	536	543	274	510	604	472
15:00	398	415	361	374	389	418	423	436	420	437	404	399	398	440	418	402	376	354	389	413	427	416	444	438	475	474	480	237	780	428	407
15:30	336	345	297	309	301	350	358	365	351	362	297	334	326	366	349	333	312	295	325	347	343	350	375	383	399	403	405	163	377	447	333
16:00	262	274	234	243	227	279	283	291	274	287	237	264	285	292	277	261	245	234	258	276	285	282	302	315	327	328	325	118	301	265	261
16:30	193	202	172	181	180	210	212	217	202	210	150	194	219	218	206	194	181	116	195	204	211	213	227	230	251	261	248	96	228	197	194
17:00	132	138	117	124	90	146	149	150	143	147	101	131	123	151	144	135	124	65	136	140	155	154	164	163	179	189	166	75	165	134	134
17:30	83	86	73	78	34	94	94	96	90	92	76	85	83	98	92	86	79	74	88	93	96	100	107	108	118	124	118	50	108	87	85
18:00	46	47	41	44	16	52	53	55	50	53	46	48	59	57	54	51	43	43	51	55	53	59	64	65	71	75	68	33	65	49	48
18:30	21	21	18	20	9	24	26	25	25	25	25	24	28	28	27	25	22	22	25	29	26	30	33	34	37	39	35	15	34	24	24
19:00	7	8	7	7	2	8	9	10	9	10	8	9	10	11	10	10	9	9	11	11	12	12	13	15	16	17	15	6	15	8	9
19:30	2	1	1	2	1	1	2	2	2	2	2	2	3	2	3	3	2	3	3	3	4	4	4	4	4	5	4	1	5	3	2
20:00	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	1	0	1	0	0	1	1	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.66 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN JUNE

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
05:00	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0
05:30	1	0	1	1	3	3	3	3	3	2	1	1	1	3	3	1	2	1	1	3	3	3	2	2	2	2	3	3	3	2
06:00	3	2	6	7	13	12	12	13	11	11	4	3	4	12	12	3	8	6	6	11	11	10	6	11	11	11	12	12	11	4
06:30	8	6	12	18	32	32	30	31	28	26	11	8	9	29	29	6	17	12	12	28	30	25	14	22	29	27	31	31	30	18
07:00	20	14	20	39	64	63	60	63	56	52	23	17	19	59	58	13	22	21	16	57	62	62	26	44	59	52	60	61	61	46
07:30	35	26	40	61	101	108	103	110	98	89	44	26	32	100	98	24	37	27	39	98	108	104	51	92	101	94	91	104	107	53
08:00	51	39	60	155	166	167	156	167	153	133	63	38	48	153	152	24	74	30	117	148	164	171	84	145	156	154	158	162	164	80
08:30	78	71	101	212	230	234	223	232	220	191	85	54	85	211	170	53	93	87	151	213	236	205	106	224	224	219	230	235	232	129
09:00	136	108	157	287	298	310	294	303	290	255	150	76	108	288	252	61	128	96	215	284	309	322	147	418	299	296	306	313	303	132
09:30	256	122	207	345	385	382	361	376	365	321	197	107	135	365	347	173	89	61	295	343	382	343	300	389	377	376	382	398	375	152
10:00	297	211	282	420	448	443	425	447	437	391	364	134	179	439	421	185	96	50	288	407	459	481	456	470	450	460	453	475	445	216
10:30	405	418	429	486	515	505	483	514	502	448	512	205	283	504	473	142	97	90	370	472	530	578	552	549	523	533	529	545	514	324
11:00	498	486	513	543	586	569	543	565	552	496	565	287	413	559	519	183	148	72	518	518	589	621	601	610	582	589	588	614	577	454
11:30	544	523	554	583	629	615	586	589	588	537	604	566	536	604	568	151	375	104	556	581	627	648	643	648	626	630	620	664	627	436
12:00	578	550	590	590	629	645	615	614	608	569	628	596	591	632	597	168	500	150	579	597	663	667	672	670	651	656	645	687	652	387
12:30	592	559	605	583	630	647	620	622	609	584	634	601	600	641	600	112	530	268	585	595	670	671	675	678	655	667	671	680	662	421
13:00	587	553	597	593	646	639	614	607	596	574	589	445	588	630	580	173	518	537	580	614	654	665	662	666	642	644	668	648	648	402
13:30	562	531	569	581	619	611	586	574	568	546	592	451	557	600	553	187	494	505	540	587	628	634	627	636	610	615	638	610	625	448
14:00	521	492	523	534	553	562	539	527	526	500	542	364	511	553	512	184	450	437	499	548	582	587	582	587	567	576	592	580	586	487
14:30	467	446	462	478	503	495	479	471	463	445	483	415	453	493	457	224	393	375	455	496	521	527	519	524	507	517	530	528	528	345
15:00	401	389	397	315	428	427	412	401	388	364	409	384	387	421	388	348	334	264	392	425	450	450	451	450	435	446	458	456	459	291
15:30	330	322	316	241	335	350	335	328	315	288	331	291	315	344	319	285	271	275	323	354	366	330	373	370	356	367	377	385	382	197
16:00	258	253	223	215	261	274	259	255	245	224	259	235	245	266	248	202	211	140	252	277	288	285	293	289	280	285	298	304	297	130
16:30	191	188	157	112	197	198	190	188	182	168	189	153	181	195	181	147	150	33	186	207	212	211	216	209	206	210	222	225	220	93
17:00	131	130	148	96	131	133	130	127	121	113	128	108	123	132	107	96	100	21	127	144	145	145	149	145	142	143	153	155	151	71
17:30	83	84	81	70	78	82	79	80	77	71	77	64	77	83	64	69	62	31	79	91	90	69	93	91	89	91	96	100	96	32
18:00	46	49	54	39	48	46	43	45	43	40	44	42	44	46	42	37	35	18	45	52	51	34	53	51	50	50	54	58	55	18
18:30	23	23	25	16	21	21	20	21	20	19	19	20	20	21	18	18	17	6	22	24	24	16	25	24	23	24	26	29	26	8
19:00	8	9	9	6	7	7	7	8	7	7	7	7	8	8	5	7	7	1	8	9	9	3	9	9	9	9	10	10	9	3
19:30	3	3	3	2	1	2	2	1	1	2	2	2	1	1	2	1	1	0	2	2	2	0	2	2	2	2	2	3	3	1
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.67 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN JULY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	1	3	2	1	2	1	1	1	1	0	2	2	1	2	1	1	1	1	1	1	1	2	1	1	0	1	1	0	1	1	1
06:00	5	7	8	5	10	4	5	3	2	4	8	8	3	7	6	3	3	4	4	4	3	6	6	6	3	6	1	2	1	2	1
06:30	17	19	21	16	28	11	11	4	9	12	24	23	11	24	15	16	10	12	9	13	14	22	20	18	8	17	5	8	5	5	5
07:00	33	47	42	37	57	22	23	8	10	19	52	50	35	52	31	34	18	31	18	32	26	49	45	42	22	38	13	19	14	12	12
07:30	64	86	69	73	101	28	42	19	13	27	92	86	79	94	70	69	37	47	37	60	43	90	82	76	46	70	25	38	19	22	23
08:00	80	143	116	145	156	48	54	45	20	93	147	141	141	149	105	125	64	71	83	113	78	145	133	124	64	115	50	53	43	36	35
08:30	156	208	204	215	223	85	93	72	60	143	207	205	208	215	201	201	94	121	179	186	134	214	197	181	72	170	76	64	63	53	55
09:00	280	279	275	284	296	137	99	113	56	217	283	277	284	285	286	262	174	220	298	293	251	293	267	244	104	232	84	79	111	84	73
09:30	356	353	347	358	373	176	146	117	90	288	361	353	364	363	368	350	263	365	369	373	379	372	339	303	167	299	112	106	149	110	108
10:00	426	428	420	432	443	236	192	141	140	329	430	432	442	435	447	435	410	443	442	449	458	445	413	365	306	361	132	148	202	122	129
10:30	498	497	490	502	517	400	283	159	130	423	489	501	510	501	517	504	491	510	508	523	529	509	483	420	439	421	212	217	253	177	155
11:00	571	551	546	563	580	505	366	165	211	412	551	556	574	556	580	564	586	567	569	584	584	571	543	483	482	468	311	260	388	290	178
11:30	629	589	583	610	628	560	469	124	255	563	600	594	619	602	626	610	631	618	611	626	632	608	582	523	521	502	551	411	543	517	216
12:00	661	618	605	633	656	578	579	122	358	618	628	620	642	639	654	638	660	647	634	661	658	615	602	557	551	540	635	531	611	602	304
12:30	664	628	613	643	665	613	629	81	304	627	639	638	653	659	660	650	667	653	644	673	671	627	612	570	563	559	658	630	577	634	400
13:00	644	618	609	635	655	543	622	92	276	612	634	630	637	646	645	643	657	648	637	663	656	610	604	556	556	543	639	624	564	612	568
13:30	622	586	578	606	626	598	602	72	336	580	611	599	610	607	617	614	631	625	606	634	636	593	575	531	538	513	629	594	580	592	489
14:00	581	531	534	553	581	548	584	74	242	535	565	557	562	564	571	565	588	581	556	594	596	556	532	489	497	465	567	547	558	546	358
14:30	524	469	481	497	519	404	406	162	200	479	504	497	498	503	506	503	526	516	501	533	529	495	477	433	440	417	514	490	498	489	398
15:00	449	401	415	430	446	378	342	101	152	411	433	427	431	434	435	432	453	441	431	459	456	425	408	369	371	346	442	421	430	419	309
15:30	369	330	341	356	370	274	237	93	213	333	357	354	357	361	357	358	368	365	359	377	374	355	332	302	307	280	363	346	352	337	316
16:00	288	259	265	277	289	246	131	45	166	261	279	277	278	284	276	280	288	287	281	296	290	279	260	235	238	222	283	269	273	253	282
16:30	214	191	194	206	213	188	95	48	118	191	206	203	204	209	203	207	209	210	207	219	212	204	190	173	176	166	207	195	196	188	202
17:00	146	130	132	143	140	132	51	22	104	131	142	138	139	143	137	142	142	142	142	148	147	140	127	119	120	110	140	132	123	121	129
17:30	92	81	84	90	81	81	30	19	78	83	89	87	87	89	86	88	89	86	88	93	90	87	77	75	74	69	86	81	77	57	76
18:00	52	46	47	50	40	45	19	9	43	46	49	49	49	50	48	50	49	48	49	51	50	48	43	41	41	37	45	43	44	33	35
18:30	24	22	23	24	14	22	10	3	20	22	23	23	22	23	22	23	24	22	22	24	22	21	19	18	19	17	20	19	18	10	16
19:00	9	8	8	9	5	8	4	1	8	8	8	8	8	8	8	7	7	8	8	7	8	7	6	6	6	5	6	5	6	2	5
19:30	2	2	2	2	2	1	1	1	1	1	2	1	1	2	1	2	2	1	1	2	1	2	1	1	1	1	1	1	0	0	0
20:00	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.68 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN AUGUST

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	1	2	1	3	2	3	1	2	1	1	2	1	1	1	1	2	2	2	2	2	2	2	1	1	0	0	0	0	0	1
06:30	6	6	9	7	11	7	11	5	5	6	5	10	8	4	4	3	10	10	11	9	10	9	8	4	5	3	2	2	2	3	
07:00	13	13	22	16	30	19	30	11	16	13	14	25	21	9	11	8	32	30	29	29	28	30	26	12	13	6	5	4	6	12	
07:30	25	27	42	31	65	52	67	20	35	30	25	58	49	22	19	17	69	63	62	61	60	62	54	25	27	14	9	13	14	25	
08:00	45	38	68	61	112	103	115	33	59	51	41	102	99	44	33	32	120	110	109	107	107	110	99	47	55	31	17	30	19	37	
08:30	75	50	122	102	171	174	175	60	85	73	75	143	164	73	49	48	184	170	173	162	168	176	157	84	114	55	25	43	39	77	
09:00	147	117	232	113	232	236	239	85	116	113	64	238	220	117	82	61	258	236	242	235	236	247	224	189	221	71	42	62	53	110	
09:30	293	162	313	233	296	316	309	129	157	150	87	307	298	153	81	89	341	308	314	311	308	324	299	283	295	81	55	105	64	126	
10:00	394	280	379	364	362	387	386	194	252	211	104	385	365	217	88	127	419	384	383	381	377	404	369	348	357	134	83	215	86	141	
10:30	448	457	445	386	425	451	450	292	371	358	125	451	427	408	158	192	490	450	452	447	447	471	428	419	423	230	94	148	93	256	
11:00	488	509	497	365	482	505	509	440	474	501	357	515	481	499	177	228	548	498	510	515	513	523	480	484	490	241	120	152	118	354	
11:30	534	566	536	328	532	555	551	531	539	555	365	563	521	536	195	437	594	530	558	562	562	561	517	528	536	218	333	285	108	371	
12:00	565	591	561	446	565	581	571	557	573	562	461	591	531	562	260	634	622	554	589	587	572	586	536	553	563	247	394	213	124	478	
12:30	577	596	570	444	583	591	583	553	582	600	577	601	536	572	311	634	630	567	595	598	571	585	541	563	574	268	363	232	120	542	
13:00	576	583	560	541	590	593	562	546	573	573	548	590	530	561	421	618	616	564	575	581	554	559	529	546	560	429	287	235	224	528	
13:30	552	550	530	496	554	556	536	528	544	553	568	559	509	535	503	577	581	547	545	511	518	515	496	515	642	410	266	228	190	492	
14:00	515	512	488	488	503	511	500	489	500	508	527	513	473	490	456	536	532	509	498	477	468	467	452	467	483	438	155	151	152	383	
14:30	459	458	436	430	445	453	441	430	444	401	467	453	416	430	428	468	469	442	439	415	428	409	393	407	421	288	166	104	182	335	
15:00	393	392	373	365	379	389	374	363	376	320	393	381	349	362	367	395	397	370	366	344	369	338	330	338	350	238	158	112	171	282	
15:30	317	320	259	290	306	314	299	296	305	281	315	308	279	290	293	317	318	295	289	266	295	267	265	270	274	181	123	83	89	221	
16:00	247	244	183	219	236	240	224	226	234	208	239	233	210	217	221	239	238	220	218	203	222	199	197	201	200	163	83	64	89	157	
16:30	180	115	151	157	166	172	160	162	165	169	169	160	147	151	154	169	165	152	150	144	155	136	136	139	135	116	51	41	70	117	
17:00	120	89	103	104	110	111	106	106	108	111	109	103	96	97	97	108	104	95	94	92	96	84	83	85	81	56	28	33	34	69	
17:30	73	71	64	62	66	65	62	62	63	61	63	60	55	54	55	61	57	54	50	55	53	45	44	46	43	18	15	14	13	36	
18:00	37	35	34	33	34	33	32	32	31	31	31	28	27	23	26	27	26	24	24	24	24	20	20	20	17	8	6	7	5	13	
18:30	16	15	14	12	13	13	12	12	12	11	11	11	9	8	9	9	9	7	7	8	7	6	5	6	5	2	2	1	2	3	
19:00	5	4	4	2	4	4	4	3	2	2	3	2	2	2	2	2	1	2	2	1	1	1	1	0	1	0	0	1	0	1	
19:30	0	1	0	1	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.69 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN SEPTEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
06:30	4	3	4	4	7	6	6	4	5	5	5	2	2	3	1	2	1	2	1	2	2	0	1	1	1	1	1	1	2	1
07:00	11	9	14	17	22	20	20	14	17	20	20	8	9	10	5	6	6	6	5	6	5	4	5	4	5	3	5	2	8	9
07:30	22	17	29	38	50	48	46	34	41	49	47	15	18	26	12	16	15	16	13	15	12	10	13	11	15	7	11	6	21	25
08:00	42	32	54	69	92	85	88	66	76	91	90	26	39	66	25	31	33	32	35	30	24	19	31	22	20	17	23	12	43	50
08:30	82	51	94	119	150	137	142	111	133	144	144	45	63	115	44	45	59	57	48	52	38	33	51	39	35	25	42	18	85	94
09:00	122	83	202	174	219	202	206	200	219	218	208	72	127	183	66	77	95	108	84	80	66	47	78	63	49	42	79	32	138	135
09:30	211	124	221	296	283	261	276	280	295	292	272	89	178	219	107	111	167	189	123	106	132	65	133	103	147	64	137	47	215	186
10:00	365	199	285	386	351	327	343	334	365	358	331	112	301	308	143	150	313	307	235	148	230	99	222	185	195	103	221	60	276	221
10:30	422	362	420	454	412	396	407	421	428	294	385	170	356	372	235	218	379	363	358	240	353	123	359	282	287	127	284	89	324	274
11:00	494	486	496	510	456	456	460	485	476	457	453	297	410	424	268	342	424	413	404	396	399	183	406	310	372	144	337	109	369	326
11:30	536	528	545	553	497	496	491	527	511	500	502	459	448	460	431	430	454	450	433	451	432	225	420	343	376	145	363	133	400	361
12:00	562	550	563	577	511	520	510	550	530	526	525	478	467	477	478	448	471	467	447	471	446	395	435	386	407	190	374	206	418	346
12:30	569	553	569	572	513	530	521	555	531	519	535	475	471	476	482	447	475	465	455	468	445	423	440	393	377	183	377	324	417	372
13:00	557	535	552	555	499	517	517	540	504	485	519	477	464	465	461	431	440	446	433	449	427	442	412	336	360	251	362	353	398	372
13:30	518	503	520	517	451	482	489	503	492	445	490	453	434	436	426	403	400	416	406	414	389	404	383	350	362	357	338	259	364	339
14:00	465	455	466	464	404	434	437	451	452	396	438	409	388	382	379	353	355	371	359	362	341	356	333	311	318	306	300	309	323	283
14:30	400	395	404	400	342	371	376	389	387	348	355	348	330	323	322	301	301	313	304	296	283	298	276	250	262	248	246	263	268	240
15:00	329	322	332	328	285	308	309	314	318	290	283	282	263	260	258	242	244	247	242	230	225	234	218	198	178	196	194	209	209	180
15:30	256	247	257	252	224	237	236	241	242	230	216	210	199	195	193	180	184	182	178	170	165	169	158	148	149	140	139	151	152	129
16:00	186	180	183	181	159	172	167	170	168	164	151	147	137	133	132	122	128	125	122	114	110	112	106	100	102	87	92	97	98	87
16:30	125	119	119	119	106	113	107	109	107	107	96	94	86	82	81	76	80	76	74	69	67	66	62	59	52	48	53	56	56	52
17:00	74	70	69	68	62	64	61	61	62	61	53	52	47	44	43	40	42	41	38	35	34	33	31	29	24	25	26	26	25	23
17:30	37	34	34	34	32	32	28	29	28	27	24	22	20	19	18	17	18	16	14	14	12	12	12	11	7	8	9	9	8	8
18:00	14	13	13	12	11	11	10	9	9	8	7	7	6	5	5	4	4	4	3	3	3	3	2	2	1	1	1	1	2	1
18:30	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
19:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
20:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.70 UV DATA BASE - 1974 OAKLAND, CALIFORNIA .

COUNTS BY TIME OF DAY FOR EACH DAY IN OCTOBER

DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
TIME																															
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	2	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0
07:00	8	5	5	7	7	6	5	3	6	5	5	6	5	5	4	4	4	3	3	2	3	2	1	1	2	2	2	2	2	1	1
07:30	24	15	16	20	19	18	17	12	20	18	20	22	19	18	14	14	15	14	9	9	13	11	2	4	7	9	9	7	8	3	6
08:00	51	31	38	44	41	41	38	27	46	43	43	48	43	42	34	34	37	34	19	18	32	27	9	11	17	24	22	15	21	6	11
08:30	87	86	64	76	72	75	64	44	73	78	79	87	79	77	65	64	67	62	42	44	61	50	17	24	42	42	35	31	44	11	13
09:00	122	132	112	115	113	116	99	78	89	122	120	134	125	121	99	91	100	95	77	79	101	76	35	37	72	75	75	50	71	17	38
09:30	176	163	151	161	167	162	147	127	150	172	167	185	175	171	137	131	151	121	110	105	141	108	65	60	101	118	86	68	104	26	53
10:00	232	222	227	207	217	209	198	154	197	222	216	234	227	225	171	177	194	157	152	158	181	139	92	86	126	157	136	63	142	40	48
10:30	275	183	281	252	259	251	236	161	244	271	265	284	272	264	205	216	225	176	180	201	213	175	106	103	150	183	162	80	165	42	55
11:00	300	294	348	292	300	291	275	274	264	316	308	324	312	301	230	250	251	223	246	233	245	211	140	148	174	224	170	90	200	90	58
11:30	328	378	383	318	318	319	226	317	330	345	334	356	339	320	257	272	266	193	258	268	273	235	179	156	197	246	166	125	227	113	78
12:00	306	331	379	335	326	334	226	326	347	356	343	371	352	329	275	268	271	229	223	283	287	244	155	164	218	254	162	187	234	91	53
12:30	331	248	384	327	318	334	132	314	350	347	338	369	355	322	280	263	269	179	156	281	291	244	172	153	215	250	202	160	230	72	64
13:00	329	286	368	311	307	317	60	305	317	332	316	349	337	314	264	251	257	126	140	270	274	230	172	142	187	219	208	178	214	99	147
13:30	311	330	337	279	285	278	69	278	282	301	280	309	305	280	238	223	239	150	112	243	237	209	143	164	163	202	178	120	188	136	63
14:00	271	271	293	234	247	241	107	241	253	262	242	266	260	232	204	199	204	132	94	205	192	174	148	149	128	171	198	79	157	147	96
14:30	214	233	241	187	202	197	122	186	205	211	208	216	198	185	161	165	150	125	88	164	483	136	124	121	113	135	109	79	122	120	87
15:00	150	179	184	142	155	149	91	134	149	161	157	161	143	138	121	107	115	88	66	119	109	97	99	86	89	98	60	35	85	97	31
15:30	108	127	129	98	106	103	51	80	101	112	107	110	98	96	82	78	76	48	47	78	72	65	65	56	59	63	29	36	55	57	26
16:00	63	82	80	63	69	64	37	53	64	69	64	67	62	60	50	43	50	42	27	45	42	36	33	32	33	36	8	23	30	21	18
16:30	34	46	44	35	36	34	18	28	34	36	33	35	32	31	25	23	26	23	14	21	19	18	9	14	13	15	2	11	13	12	9
17:00	15	20	19	14	15	15	8	14	15	14	13	14	12	11	9	8	10	7	5	8	6	5	3	4	3	5	1	3	4	3	3
17:30	4	6	5	5	4	4	2	3	3	4	3	3	3	3	2	2	2	1	1	1	1	1	1	0	1	0	0	1	0	0	0
18:00	0	1	1	0	1	0	0	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.71 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN NOVEMBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1	0	1	0	0	0
07:30	9	8	8	7	6	8	8	7	7	2	7	6	6	4	1	2	1	4	4	2	2	3	3	3	2	3	2	2	2	2
08:00	21	20	22	16	15	23	21	22	20	7	21	20	20	12	4	5	8	14	15	11	6	12	13	12	11	10	9	9	7	8
08:30	39	42	44	30	34	48	27	45	42	17	44	42	43	27	10	9	18	31	34	34	22	29	30	30	27	26	22	23	20	19
09:00	64	69	73	57	52	77	36	76	69	25	75	69	76	48	20	13	33	54	58	63	32	52	56	52	50	48	42	43	38	38
09:30	91	101	107	88	84	111	29	109	102	44	110	99	101	73	27	18	71	84	88	96	55	81	86	79	77	73	65	68	63	59
10:00	107	130	146	104	125	146	17	143	136	68	146	131	112	104	35	28	108	120	122	132	83	112	120	106	101	102	86	96	85	83
10:30	148	157	176	147	159	181	24	175	169	195	169	142	140	140	45	33	137	156	148	152	48	143	149	137	129	127	101	124	108	105
11:00	169	181	192	168	183	209	42	193	197	221	184	158	171	174	35	53	145	165	172	153	58	166	166	159	152	146	124	148	134	129
11:30	186	195	210	192	194	218	46	209	219	233	201	204	193	297	49	33	147	188	172	173	130	178	173	180	170	161	135	160	149	144
12:00	191	200	212	190	196	229	51	224	222	232	204	199	187	187	64	115	143	192	167	165	131	187	180	186	171	166	134	168	153	152
12:30	187	195	209	198	190	226	35	219	214	220	196	206	189	190	51	132	152	194	143	135	83	186	180	185	170	159	139	166	150	153
13:00	158	186	193	181	178	218	17	208	201	208	188	167	171	188	46	111	122	181	117	114	131	169	168	170	161	148	130	154	137	142
13:30	161	161	171	134	152	176	26	148	169	181	164	167	149	155	31	65	137	156	111	111	138	146	143	144	141	127	110	133	118	122
14:00	117	130	135	105	128	146	57	101	132	144	137	128	123	131	26	34	78	128	91	84	113	118	117	111	115	103	89	101	96	85
14:30	96	99	101	85	100	109	94	90	102	107	105	101	100	100	19	16	65	95	68	68	84	85	88	83	85	77	69	74	70	58
15:00	65	71	71	60	67	77	51	57	73	71	74	61	70	67	16	18	55	64	45	43	56	59	57	55	57	51	47	48	41	38
15:30	40	43	45	40	45	48	20	31	45	44	43	36	39	42	9	10	21	37	25	22	32	33	34	32	32	30	27	28	26	21
16:00	21	21	24	19	24	25	16	15	23	21	22	16	19	19	3	6	10	17	11	12	13	15	15	13	15	13	12	13	11	10
16:30	8	9	9	8	9	8	6	7	8	6	7	6	6	6	2	4	3	5	4	3	4	5	5	3	4	4	4	4	3	3
17:00	1	2	1	1	2	2	1	1	1	2	2	0	1	1	0	0	1	1	0	1	1	0	0	1	1	0	0	0	0	1
17:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
18:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.72 UV DATA BASE - 1974 OAKLAND, CALIFORNIA

COUNTS BY TIME OF DAY FOR EACH DAY IN DECEMBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	2	0	1	1	1	2	2	2	1	0	0	0	1	1	1	1	0	0	0	1	1	0	1	1	0	0	0	1	1	1	0
08:00	7	2	3	7	6	7	6	6	5	2	2	3	5	1	4	4	4	4	4	3	2	4	3	3	3	4	1	0	3	2	4
08:30	19	5	12	18	14	19	19	19	16	5	7	6	13	7	13	13	10	10	11	11	5	9	10	11	11	11	6	3	10	7	10
09:00	39	9	21	37	23	32	39	38	33	10	16	16	27	15	24	28	23	22	25	23	10	21	21	23	23	25	10	12	24	17	23
09:30	62	19	33	61	36	44	63	62	51	15	35	21	44	35	47	48	40	29	43	40	17	37	37	41	42	46	13	26	41	30	42
10:00	84	21	57	86	56	59	89	88	68	25	45	29	65	56	72	68	58	48	63	65	33	55	55	62	60	66	17	25	60	41	62
10:30	112	21	74	110	92	73	112	116	95	41	58	36	89	59	100	87	75	69	74	90	44	75	76	86	78	92	7	20	80	76	86
11:00	124	34	79	132	112	108	135	137	115	70	66	59	106	62	121	102	90	87	96	109	58	93	90	105	93	111	8	29	107	64	106
11:30	142	38	86	148	129	137	152	152	127	92	71	52	114	43	125	117	109	94	112	122	75	105	105	121	107	125	18	40	127	50	123
12:00	153	43	54	155	139	138	156	156	131	124	67	43	117	46	119	122	114	104	118	133	90	113	116	131	109	122	28	51	138	80	132
12:30	150	48	27	150	132	124	152	154	131	128	64	55	113	61	122	118	119	87	121	129	66	113	116	131	107	133	49	50	140	94	135
13:00	132	52	19	141	133	110	142	139	123	123	67	40	104	46	114	111	114	69	107	120	39	106	109	120	98	132	34	49	126	106	127
13:30	113	51	14	122	121	81	123	123	106	106	69	35	94	41	102	93	101	65	94	107	47	93	96	110	97	107	30	43	112	97	114
14:00	92	35	21	99	91	80	96	99	82	85	49	31	82	30	84	78	81	61	74	89	79	75	78	87	85	80	20	31	96	81	84
14:30	64	20	11	72	63	56	72	73	62	58	33	21	60	17	63	60	60	47	58	68	66	56	58	62	66	66	12	36	73	62	72
15:00	38	13	16	48	48	35	48	48	41	40	24	15	42	11	44	40	42	37	38	45	42	37	39	42	45	44	3	35	50	43	50
15:30	20	10	8	27	21	20	27	27	23	23	14	8	23	7	25	22	24	22	23	25	21	22	23	25	25	26	1	23	30	25	30
16:00	8	4	4	12	10	10	12	11	10	10	7	4	11	3	11	10	11	10	10	12	10	10	10	12	12	10	2	11	14	13	15
16:30	3	1	1	3	4	3	4	3	3	3	2	1	3	1	4	3	3	3	4	3	3	4	4	4	4	4	1	4	4	5	5
17:00	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	1	0	0	1	1	1	0	1	1	1	1
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

PHILADELPHIA

TABLE A.73 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN JANUARY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
08:00	1	2	0	0	2	1	2	1	0	1	1	2	1	1	1	1	0	1	1	1	1	2	2	1	3	2	2	2	4	2	4
08:30	2	7	2	3	6	4	6	6	1	0	1	6	5	4	7	3	2	1	4	4	2	7	10	5	8	6	4	4	12	8	9
09:00	8	18	2	9	17	9	12	14	2	3	2	14	11	9	16	9	4	3	4	9	5	18	24	9	18	15	11	11	27	21	21
09:30	12	31	5	19	32	13	21	26	6	4	6	25	21	21	32	16	10	7	5	19	10	39	43	15	36	27	35	13	47	37	33
10:00	15	51	5	26	48	18	34	40	13	10	6	39	32	35	48	34	23	10	12	37	15	62	62	19	55	42	40	21	73	50	47
10:30	29	71	10	38	70	18	55	55	15	9	7	53	50	46	67	71	31	17	19	62	18	85	86	32	76	45	91	48	98	64	56
11:00	36	90	19	52	90	24	78	71	15	9	15	67	69	58	94	90	37	23	14	59	18	109	111	33	101	44	131	45	124	82	73
11:30	44	102	27	61	108	28	85	85	25	19	27	73	86	69	97	90	46	24	23	47	16	125	129	28	114	35	157	63	147	112	76
12:00	33	111	21	64	116	35	103	93	39	18	23	87	80	61	76	89	58	31	28	41	14	137	133	26	123	26	174	39	117	133	63
12:30	31	112	22	59	117	40	95	95	39	20	24	86	74	56	73	114	57	35	26	31	7	140	138	66	130	24	179	29	121	149	105
13:00	53	106	20	66	111	38	98	90	53	19	14	61	80	52	65	80	54	33	35	27	16	138	132	49	122	21	142	45	132	147	112
13:30	45	95	14	27	97	34	83	79	46	19	12	54	75	44	61	78	88	30	55	23	20	128	133	34	105	33	112	40	124	135	117
14:00	41	77	12	31	76	29	62	65	47	12	17	55	64	34	61	63	76	26	62	29	19	92	104	25	90	27	99	52	91	118	103
14:30	45	58	15	28	55	26	43	48	30	11	24	35	51	29	34	57	59	17	66	19	23	71	41	26	69	21	85	31	65	95	85
15:00	26	40	6	23	36	15	34	34	22	9	16	26	36	16	18	50	46	11	50	14	29	58	25	23	52	20	61	18	43	70	64
15:30	17	24	4	16	22	10	21	21	15	5	15	18	22	7	10	25	31	8	33	6	16	39	32	12	34	11	43	7	37	46	42
16:00	11	11	1	11	10	4	10	10	10	3	7	9	12	5	4	13	18	4	18	4	12	22	14	8	18	5	27	2	23	27	25
16:30	2	4	0	3	4	1	5	4	5	1	3	3	4	2	2	6	7	1	7	2	5	8	8	3	8	3	11	2	10	13	11
17:00	1	1	0	1	0	0	0	1	0	0	1	1	1	0	2	1	2	0	2	0	1	3	2	1	3	0	4	0	2	4	4
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.74 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN FEBRUARY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1
07:30	0	0	0	0	1	0	0	0	2	1	1	0	1	2	1	1	2	2	2	1	3	0	3	3	0	4	3	3
08:00	3	1	1	1	3	3	1	1	4	5	4	2	6	6	4	5	4	6	4	4	10	2	10	11	1	10	11	12
08:30	11	3	2	4	8	10	1	3	13	15	11	5	14	16	10	12	15	17	7	9	27	6	25	27	2	24	25	27
09:00	21	8	4	11	18	20	6	7	28	31	25	17	29	33	16	19	32	32	20	21	51	12	46	51	5	45	38	47
09:30	40	13	9	28	31	28	15	12	48	55	42	37	51	57	30	28	47	55	33	19	82	21	74	82	10	75	52	74
10:00	56	22	12	36	49	42	28	13	76	83	55	60	77	86	59	50	82	80	33	22	118	24	105	118	11	111	71	107
10:30	85	22	14	51	70	59	36	10	105	117	89	92	98	113	100	74	87	110	52	40	154	29	139	153	8	145	95	141
11:00	109	32	19	65	88	77	67	17	127	143	122	123	112	143	120	75	107	144	27	47	191	25	171	186	12	178	136	171
11:30	132	36	24	66	105	96	92	29	150	171	146	148	121	156	147	103	131	167	18	34	223	25	193	215	14	205	170	194
12:00	138	26	22	90	118	92	104	29	156	184	158	165	134	177	162	112	120	180	18	46	232	18	206	228	9	220	184	206
12:30	123	22	18	110	120	106	102	35	162	184	163	172	137	173	81	91	149	186	12	80	221	47	208	225	17	226	168	209
13:00	124	34	19	84	116	123	99	34	154	177	146	166	128	160	56	71	158	183	9	79	178	110	203	212	17	215	156	212
13:30	109	20	22	75	107	119	105	30	140	157	126	149	124	140	34	71	130	171	19	111	154	160	189	199	18	198	145	201
14:00	100	20	22	75	92	87	108	31	120	133	102	126	126	121	18	62	110	149	10	93	146	92	164	175	19	171	135	178
14:30	102	11	13	57	74	40	61	30	97	96	103	90	109	96	171	45	93	122	8	110	127	81	135	151	12	141	115	150
15:00	72	6	7	44	55	21	34	29	74	68	78	63	80	72	169	43	55	90	2	96	92	123	103	117	16	108	91	115
15:30	48	6	5	31	38	19	27	18	50	47	51	38	58	51	154	30	43	59	5	68	66	89	72	83	9	75	67	84
16:00	27	3	4	18	22	14	17	10	28	23	31	22	36	31	136	16	30	39	4	43	46	56	45	53	9	48	42	50
16:30	14	1	1	10	11	4	8	6	15	11	17	13	19	17	91	3	17	22	1	23	25	31	25	29	9	26	22	27
17:00	4	1	1	3	4	2	4	3	6	4	6	5	8	6	7	1	7	9	0	10	10	13	11	12	3	12	11	9
17:30	1	0	0	1	0	0	0	0	1	1	2	2	2	2	2	0	2	2	0	3	4	4	3	1	1	4	3	3
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.75 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN MARCH

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	2	1	1	1	1	1
07:00	1	1	1	1	1	2	2	1	1	2	3	2	2	3	2	2	3	3	2	3	1	5	5	2	3	3	8	2	1	1	2
07:30	0	2	3	5	4	7	8	7	1	9	9	6	8	9	7	7	7	8	3	14	1	15	17	9	8	11	21	6	3	4	9
08:00	6	4	8	3	13	20	21	8	5	26	24	16	20	21	21	20	17	19	12	36	1	33	39	26	16	23	45	14	7	8	15
08:30	22	4	21	15	9	38	43	17	9	52	49	38	40	42	54	48	35	39	32	69	7	60	72	53	29	41	76	46	18	14	10
09:00	23	4	46	23	10	62	75	32	16	73	84	78	69	71	78	52	56	92	64	112	9	97	115	73	45	73	107	77	11	21	13
09:30	45	15	79	44	6	89	113	32	24	68	124	108	102	108	119	56	83	123	89	164	20	142	161	123	55	129	139	78	17	31	24
10:00	93	34	105	77	16	127	147	85	27	146	172	145	139	149	167	26	110	164	152	206	16	188	204	197	69	143	178	103	27	36	38
10:30	131	49	115	72	30	157	174	102	33	217	218	196	175	187	188	44	130	207	247	265	11	225	194	252	106	155	252	150	30	38	32
11:00	162	81	111	91	26	211	162	95	44	270	242	226	209	223	189	34	119	247	257	288	11	262	213	190	157	191	261	150	29	36	43
11:30	179	105	105	125	35	198	100	105	52	300	252	215	235	250	228	57	113	282	327	313	9	290	279	226	214	204	218	152	26	43	60
12:00	189	122	89	149	56	154	171	62	52	324	250	185	250	266	221	55	115	301	335	300	20	310	331	238	196	217	278	250	26	48	67
12:30	186	84	72	189	88	162	248	37	44	323	262	186	255	271	220	27	145	304	342	324	30	307	345	223	223	297	305	222	27	50	100
13:00	147	108	105	236	60	165	240	33	46	311	255	185	247	260	238	14	80	297	307	332	36	297	346	287	268	279	309	217	28	53	134
13:30	143	83	104	229	68	128	243	34	30	288	241	164	232	241	232	7	73	279	323	301	60	275	313	291	286	270	279	226	25	44	130
14:00	117	58	88	180	76	75	221	43	24	256	221	123	202	214	186	4	66	242	271	288	76	223	269	214	256	243	254	207	28	44	79
14:30	95	45	94	153	52	66	191	23	21	213	181	121	169	178	153	4	94	203	229	224	70	198	222	206	50	202	232	205	32	32	61
15:00	95	46	63	138	45	30	143	31	23	167	112	108	132	140	127	2	71	159	148	178	53	153	173	172	170	166	185	122	18	23	71
15:30	63	34	34	103	42	18	100	26	22	120	71	74	94	101	91	1	66	116	115	124	46	108	131	121	117	127	141	100	11	20	52
16:00	28	24	13	71	36	16	66	11	11	80	39	46	62	66	63	0	34	78	75	83	70	73	93	58	76	89	89	90	10	16	38
16:30	16	15	9	39	30	11	38	10	6	47	17	27	36	41	39	0	21	47	42	50	35	45	59	47	45	53	55	49	5	9	12
17:00	9	7	3	18	9	7	20	10	3	23	8	11	18	15	14	0	13	24	25	26	22	24	32	16	21	28	31	26	3	2	8
17:30	3	2	1	6	2	2	8	3	1	8	3	4	7	6	3	0	5	10	11	11	7	10	13	5	8	12	13	12	1	0	4
18:00	0	0	0	1	0	0	1	0	0	1	0	0	1	1	0	0	1	2	2	3	1	3	3	2	2	3	3	4	0	0	1
18:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.76 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN APRIL

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	0	0	0	1
06:00	0	1	0	1	1	1	1	1	0	1	1	1	0	1	3	1	3	3	2	3	3	3	1	2	4	3	5	5	6	6
06:30	4	2	5	1	2	2	4	5	1	3	5	7	3	3	10	5	9	9	6	9	11	11	4	10	12	12	15	14	16	18
07:00	11	6	14	1	5	6	14	14	2	10	17	20	8	9	27	24	24	24	17	24	28	23	9	26	30	26	37	32	38	42
07:30	30	10	34	4	7	15	34	27	4	26	36	43	15	22	55	52	49	48	36	51	55	32	10	38	59	56	73	62	74	77
08:00	58	39	67	10	17	26	65	41	7	52	72	74	14	34	93	91	87	87	65	90	94	43	18	67	101	99	118	104	82	110
08:30	92	52	113	34	42	39	103	48	12	86	104	126	22	53	145	142	134	135	87	141	143	59	49	135	154	150	175	162	121	143
09:00	102	51	163	29	50	76	151	57	20	121	137	161	30	79	181	202	191	187	101	199	197	85	89	185	216	215	241	175	248	196
09:30	138	70	208	95	99	156	209	90	48	174	195	181	26	98	153	264	253	239	119	263	259	147	117	259	281	281	306	239	292	249
10:00	189	49	269	79	143	146	259	109	23	214	263	257	52	103	278	329	316	298	152	323	319	121	73	296	347	345	375	306	382	317
10:30	249	44	330	124	68	120	316	103	26	240	291	294	61	104	319	389	369	358	56	382	375	203	103	194	402	398	440	391	317	395
11:00	306	40	368	123	45	225	351	145	39	241	331	304	67	109	219	438	419	401	39	417	413	420	367	248	449	445	484	432	303	452
11:30	308	34	418	101	23	92	381	78	40	336	345	364	55	131	290	469	451	430	42	427	443	418	353	249	483	439	511	468	344	464
12:00	298	45	348	79	40	36	401	74	37	369	330	326	32	156	227	480	466	441	23	448	452	319	409	455	498	443	523	471	479	479
12:30	165	86	382	200	34	43	387	97	51	371	377	343	34	202	297	473	458	426	16	434	449	435	334	203	500	479	518	447	382	461
13:00	151	103	277	342	36	103	384	69	57	350	365	300	130	247	323	448	437	410	22	417	427	432	344	249	474	428	495	444	346	389
13:30	160	221	269	184	53	104	325	59	55	319	339	237	266	419	236	405	406	377	29	387	393	404	281	358	436	423	445	398	482	379
14:00	129	240	344	109	57	165	307	34	41	278	292	274	395	395	160	260	356	332	33	351	350	327	278	207	391	315	389	388	350	239
14:30	132	198	275	135	95	110	244	44	33	234	279	239	222	232	188	305	296	277	32	296	290	258	244	113	325	285	331	336	374	257
15:00	19	208	219	91	39	77	208	40	35	188	227	204	201	261	176	244	229	211	32	236	233	190	223	48	266	252	266	274	308	198
15:30	6	158	174	75	34	63	164	17	22	142	173	161	165	200	111	184	170	163	88	175	157	135	135	36	209	189	196	219	233	143
16:00	30	112	114	87	34	66	113	13	20	99	57	84	146	100	93	130	123	117	86	117	119	101	99	65	140	134	130	161	170	79
16:30	19	70	74	40	34	15	69	11	18	64	92	61	97	63	53	84	81	76	78	84	73	73	60	15	95	92	92	105	117	73
17:00	12	40	46	15	19	31	41	5	8	37	46	40	58	46	31	50	48	46	46	49	45	26	51	9	58	59	55	69	72	40
17:30	12	19	18	10	8	5	17	2	7	18	22	17	29	32	19	25	25	23	23	26	21	11	25	7	30	32	31	34	40	20
18:00	5	6	5	4	3	5	6	1	2	7	8	5	10	11	7	10	10	9	9	10	8	3	10	4	12	14	13	15	19	11
18:30	0	1	0	0	0	1	1	0	0	1	1	1	3	2	2	3	2	2	2	3	2	1	3	1	3	4	4	5	5	5
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.77 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN MAY

TIME	DAY 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	0	1
05:30	1	1	0	1	1	1	2	2	1	1	3	0	2	3	4	4	4	1	2	3	3	3	2	3	3	4	2	3	2	4	1
06:00	5	5	1	5	4	3	6	7	7	0	9	2	6	9	11	12	12	1	5	12	11	11	5	11	9	13	6	11	7	10	5
06:30	17	17	1	16	15	8	17	19	17	1	24	2	24	24	28	31	29	3	15	29	27	28	13	27	22	31	11	25	14	14	12
07:00	43	44	2	37	35	11	37	42	34	2	51	9	51	50	59	62	57	14	21	58	52	56	25	48	50	60	23	50	13	30	19
07:30	85	82	5	71	65	28	67	77	59	13	90	19	88	89	101	105	96	22	27	98	85	94	47	81	87	92	37	87	31	80	34
08:00	137	98	8	117	100	57	108	122	90	34	138	52	137	147	157	162	149	79	47	150	128	143	49	110	140	113	46	135	67	106	59
08:30	198	169	11	176	150	86	159	171	127	37	196	96	193	205	220	226	210	145	36	215	197	198	69	150	208	169	33	196	84	94	75
09:00	264	210	30	242	207	107	215	224	218	47	260	102	209	278	289	286	270	239	109	284	273	257	48	228	274	210	39	265	177	90	132
09:30	333	213	50	310	290	279	274	276	263	48	322	217	266	354	359	275	328	347	206	359	325	318	60	301	337	307	52	335	238	90	210
10:00	406	243	44	381	371	310	342	310	238	27	375	219	252	425	425	368	384	290	325	427	331	369	104	299	398	338	50	402	192	132	334
10:30	472	417	49	441	361	269	371	336	245	66	409	346	123	487	501	481	453	363	398	489	384	397	116	368	398	371	96	436	89	224	411
11:00	526	459	66	496	417	173	412	361	308	174	440	316	233	539	548	508	507	513	465	523	450	433	65	389	313	226	113	482	67	180	507
11:30	555	412	90	534	415	223	396	399	387	315	449	294	198	555	584	508	529	447	397	550	396	449	91	198	263	264	109	492	60	124	492
12:00	571	431	86	553	408	223	451	418	423	173	455	143	99	581	596	557	472	513	473	542	447	447	106	449	413	272	98	535	142	219	432
12:30	564	474	90	549	425	93	402	427	253	237	437	165	267	568	578	550	502	476	393	497	514	422	84	518	364	287	198	502	135	307	375
13:00	534	503	206	533	407	84	318	415	278	167	377	195	274	542	548	493	464	471	336	493	514	432	150	468	315	241	108	351	138	347	331
13:30	490	442	203	499	339	46	346	393	165	127	320	143	243	506	503	472	341	424	297	463	469	341	182	374	269	293	263	373	111	408	157
14:00	439	375	237	450	303	51	329	349	126	315	269	114	264	452	461	421	374	359	407	411	431	332	240	398	313	326	209	359	59	385	112
14:30	375	323	268	389	215	107	289	302	47	232	205	58	259	396	405	372	303	276	393	345	373	288	204	321	329	221	98	363	143	323	120
15:00	308	277	224	323	145	116	240	248	12	150	200	56	277	334	332	302	268	272	294	259	303	268	216	198	279	87	132	283	228	289	109
15:30	240	218	166	254	114	44	163	196	18	114	204	15	225	261	267	239	236	252	223	205	247	224	166	233	203	135	150	224	132	213	58
16:00	180	153	110	188	69	74	105	147	18	145	166	12	162	198	206	192	188	198	127	148	184	163	110	134	131	148	129	172	109	153	40
16:30	119	95	72	132	43	25	77	100	15	93	114	12	130	141	137	139	130	143	101	100	134	110	90	55	109	95	48	142	102	120	15
17:00	76	46	3	84	30	11	55	65	6	65	73	9	83	91	90	88	83	96	80	65	88	69	68	17	79	65	63	94	78	85	13
17:30	42	18	0	48	23	3	30	36	2	39	40	4	46	54	54	50	47	57	46	39	54	41	45	42	47	44	43	58	37	53	10
18:00	19	9	0	23	12	2	15	17	1	19	22	4	23	27	26	24	21	30	24	20	28	23	31	16	26	21	19	31	19	28	5
18:30	6	3	0	8	4	0	5	6	0	7	8	1	8	10	9	11	8	12	10	9	11	9	13	4	11	11	6	14	5	12	2
19:00	1	0	0	2	1	1	1	1	0	1	1	0	2	3	2	2	2	3	3	2	3	2	3	3	3	3	1	4	1	3	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.78 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN JUNE

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	1	1	0	1	1	0	1	1	1	1	0	1	1
05:30	1	2	4	4	4	4	1	2	3	5	3	2	4	4	2	2	4	4	4	3	4	5	1	4	1	3	2	4	4	3
06:00	2	6	14	12	12	13	2	4	11	16	12	3	13	12	3	5	14	14	14	9	11	15	5	10	4	12	9	11	13	11
06:30	4	10	34	28	26	32	5	9	24	38	33	6	31	26	12	13	33	33	32	17	25	34	12	20	8	21	25	24	32	27
07:00	15	19	64	53	53	64	9	20	35	73	67	3	57	51	23	8	65	62	59	46	46	64	13	35	23	61	47	41	64	53
07:30	41	29	107	90	88	104	25	37	74	122	109	9	90	82	25	12	102	104	98	81	73	104	13	79	29	115	72	42	108	91
08:00	118	43	154	136	132	157	34	48	149	182	144	22	136	119	48	34	162	155	149	129	100	156	5	113	29	143	82	50	166	140
08:30	214	44	196	189	154	220	59	73	180	249	193	23	187	170	138	72	228	219	192	158	101	208	21	191	32	125	72	59	232	194
09:00	251	43	279	237	228	290	87	97	263	324	315	66	257	224	243	154	287	288	208	179	130	267	29	291	51	207	90	74	301	253
09:30	254	19	235	274	297	348	98	156	344	401	338	146	304	278	315	136	308	358	291	275	157	347	23	387	35	225	147	88	368	310
10:00	291	42	286	315	335	400	120	211	428	444	461	272	377	314	388	230	380	411	330	372	188	324	20	400	55	174	197	86	419	373
10:30	231	33	306	352	409	424	157	315	489	467	480	410	386	392	437	334	437	467	390	314	213	402	63	380	70	277	241	111	365	425
11:00	208	38	386	408	434	449	194	253	542	414	576	393	344	429	480	360	513	526	482	337	240	505	42	369	61	386	204	144	391	460
11:30	162	73	430	466	503	479	244	410	565	449	519	267	189	451	531	314	404	470	479	403	345	478	44	477	63	240	256	123	479	487
12:00	131	136	472	466	519	541	284	418	573	560	521	348	312	477	541	171	303	395	487	389	310	499	74	399	102	169	220	114	483	494
12:30	122	72	465	470	510	515	333	568	551	582	627	302	352	457	532	498	326	358	523	269	318	542	67	320	99	148	225	139	444	491
13:00	103	79	530	444	492	491	242	273	560	545	547	360	322	395	496	481	456	435	535	266	332	460	54	259	76	85	201	90	439	445
13:30	199	121	450	416	458	451	211	221	518	529	510	386	279	395	460	432	393	385	355	305	333	440	31	277	126	326	113	78	465	408
14:00	158	59	401	371	426	360	238	204	464	432	472	398	337	273	450	297	221	356	294	330	208	436	95	272	123	308	128	62	366	385
14:30	116	101	326	319	359	301	174	232	412	415	433	318	161	219	387	60	185	332	329	369	345	340	118	165	61	145	46	53	303	341
15:00	113	61	281	258	308	289	147	243	351	355	375	303	116	192	335	28	158	224	272	286	220	273	66	72	61	153	40	46	253	322
15:30	127	33	217	207	257	231	110	209	280	284	307	254	102	89	267	26	197	193	216	241	25	233	16	11	48	129	21	33	224	267
16:00	119	29	164	167	199	184	37	127	223	207	234	153	74	31	208	50	138	165	186	193	12	198	18	13	42	117	47	31	178	207
16:30	108	19	128	124	145	137	23	126	150	164	159	112	69	17	154	80	78	140	133	130	27	126	24	14	27	94	94	22	163	155
17:00	49	17	83	81	96	100	26	86	107	114	108	92	47	5	108	58	71	105	102	88	40	93	17	10	32	61	51	12	114	110
17:30	36	16	47	53	60	61	15	43	65	71	66	55	39	7	67	31	63	66	62	62	19	53	9	8	12	39	38	10	70	70
18:00	21	4	23	29	34	31	9	26	36	41	37	31	27	22	36	19	34	38	31	36	21	35	4	2	12	26	16	7	39	40
18:30	10	2	10	13	15	14	3	15	17	20	17	13	9	13	18	12	19	18	16	17	15	18	3	1	9	11	9	3	18	20
19:00	2	0	4	4	5	5	1	5	5	7	6	5	3	5	6	5	6	6	6	6	6	6	1	1	3	2	4	1	6	7
19:30	0	1	0	0	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1
20:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.79 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN JULY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
05:00	0	1	1	0	1	1	1	0	0	1	0	1	1	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
05:30	1	5	4	5	5	3	5	5	4	3	4	3	3	4	2	2	3	3	3	3	2	2	2	1	1	1	1	1	1	4	2
06:00	7	14	11	13	16	8	14	15	13	11	14	12	12	12	8	7	12	8	6	11	10	9	9	1	6	5	7	3	5	18	7
06:30	29	34	26	31	36	30	36	34	31	26	32	28	28	32	18	19	30	18	14	27	25	25	20	4	14	9	12	8	17	49	20
07:00	61	64	49	59	65	55	70	65	61	49	63	55	56	62	48	40	62	37	35	55	55	50	40	4	26	17	18	18	36	80	43
07:30	86	109	81	96	76	88	119	108	106	83	107	96	99	106	94	75	109	53	77	98	95	89	81	7	56	41	48	31	76	128	70
08:00	157	164	130	144	79	76	183	174	154	125	166	150	154	159	127	76	170	94	111	152	151	138	142	10	117	80	43	40	108	136	121
08:30	226	231	189	197	140	89	250	247	204	180	234	216	220	222	214	113	239	143	139	218	226	199	194	9	189	109	49	56	152	212	180
09:00	290	303	249	271	236	70	320	312	278	233	311	290	303	290	266	197	312	209	157	289	296	265	276	19	259	156	69	97	218	261	246
09:30	300	390	296	337	291	143	383	386	341	288	388	367	373	354	371	255	400	247	293	364	363	333	266	37	300	176	135	136	282	278	285
10:00	332	452	293	415	342	271	454	444	396	347	460	435	441	416	437	375	477	201	361	442	412	382	369	53	372	161	204	145	311	412	304
10:30	392	518	263	483	266	421	515	515	456	397	525	482	504	471	469	408	549	337	383	507	496	453	438	30	411	214	281	188	302	506	375
11:00	545	555	326	503	286	507	555	566	508	449	574	548	535	511	526	453	601	338	422	562	523	272	434	29	438	181	469	336	384	575	390
11:30	612	595	447	549	286	564	597	600	524	455	621	594	593	529	532	541	639	388	405	578	517	148	306	38	406	301	388	383	420	595	482
12:00	624	632	420	570	629	583	638	594	542	446	610	627	618	549	630	548	654	510	424	637	487	190	309	51	431	262	538	404	354	590	415
12:30	637	616	446	534	480	553	642	601	537	409	629	606	587	547	599	562	648	342	480	622	339	385	264	73	361	242	313	373	372	560	541
13:00	626	582	452	419	195	545	601	592	527	415	607	518	568	514	559	582	640	270	462	590	441	430	183	128	344	218	253	421	402	520	509
13:30	548	490	384	430	157	458	580	549	512	384	554	559	538	508	424	553	584	317	405	551	473	221	302	292	219	169	415	329	269	448	430
14:00	490	491	362	438	35	436	533	494	470	372	437	461	513	467	257	502	473	330	460	507	364	156	337	254	272	211	307	280	249	14	425
14:30	388	389	326	375	1	387	471	433	390	308	432	423	468	399	221	442	442	323	402	390	229	206	197	136	201	277	274	254	286	414	260
15:00	213	294	257	333	3	312	395	369	338	240	352	337	406	319	232	375	363	293	345	300	327	155	274	175	141	177	191	247	214	361	307
15:30	236	259	240	272	16	249	332	299	274	152	317	303	318	274	241	308	278	225	270	209	165	156	168	133	63	216	184	221	181	285	257
16:00	226	194	201	214	32	197	259	233	211	78	243	204	252	204	244	200	255	170	189	231	113	102	85	36	83	153	160	175	120	199	178
16:30	180	154	152	159	44	143	188	174	160	26	172	154	184	151	107	182	171	135	136	145	97	93	50	33	89	109	97	138	70	160	151
17:00	124	111	107	109	66	100	130	119	110	56	118	102	124	107	18	122	121	93	72	107	80	81	45	19	68	70	55	94	75	102	100
17:30	78	65	67	68	64	64	81	75	71	32	72	69	79	71	20	78	74	57	46	62	26	49	39	6	43	46	24	58	62	54	60
18:00	44	43	37	39	39	36	45	43	42	23	40	42	45	42	35	44	43	32	26	38	7	27	24	8	21	27	19	29	33	30	31
18:30	22	19	18	20	17	17	21	21	20	14	19	17	21	20	18	20	17	15	15	17	1	14	12	9	12	11	14	12	14	14	13
19:00	8	7	7	7	5	6	8	7	6	4	7	7	7	7	6	7	6	5	6	6	1	5	4	1	4	3	4	4	4	3	3
19:30	2	1	1	2	1	1	2	2	2	1	2	2	1	2	2	2	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1
20:00	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.80 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN AUGUST

DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
TIME																															
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	2	1	1	2	1	1	0	1	1	1	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
06:00	6	5	3	8	4	6	1	4	3	3	5	4	4	5	5	3	1	3	4	3	3	1	1	2	2	1	1	1	3	2	2
06:30	19	17	13	23	11	19	3	13	10	5	17	16	11	18	14	11	2	13	12	11	12	2	4	10	11	3	5	4	10	10	6
07:00	40	25	16	40	23	43	5	30	21	15	39	37	26	41	34	27	8	34	33	31	31	6	7	24	29	11	21	17	26	27	19
07:30	72	34	27	53	47	84	5	63	35	43	78	72	51	78	69	52	16	61	64	56	64	11	8	50	58	23	29	20	56	58	45
08:00	117	58	45	117	75	137	8	105	57	70	129	121	87	135	115	85	36	103	99	93	108	20	16	84	101	57	47	44	89	100	75
08:30	175	114	58	166	138	175	8	141	100	142	192	185	164	202	173	138	37	173	144	132	161	27	10	124	153	105	68	100	140	139	108
09:00	238	181	150	303	244	244	10	178	163	206	265	246	138	276	236	182	59	234	201	197	233	34	18	168	215	122	88	143	203	194	130
09:30	308	204	141	344	324	257	12	228	197	290	342	313	109	354	307	231	84	307	209	263	275	56	78	220	281	100	109	191	264	268	196
10:00	363	234	150	367	318	292	79	230	229	356	415	343	200	430	374	309	115	365	213	310	317	65	233	267	349	194	242	266	338	352	273
10:30	427	316	325	423	367	376	171	289	280	413	475	424	346	493	438	338	185	446	269	355	367	70	270	309	407	242	270	354	359	367	335
11:00	493	236	298	525	413	380	177	307	265	472	522	485	482	550	492	362	274	475	303	384	378	106	231	336	450	234	306	377	392	463	221
11:30	477	376	295	486	474	342	110	286	232	517	556	520	604	598	533	308	383	534	283	368	430	106	477	358	469	167	279	384	409	512	194
12:00	422	325	384	378	459	399	198	242	293	504	566	533	615	622	556	247	402	524	272	387	451	133	395	353	490	86	340	455	454	453	258
12:30	299	347	405	441	539	570	247	211	253	519	557	519	499	583	547	292	321	528	317	350	509	225	350	340	492	86	374	435	449	190	419
13:00	307	434	374	579	464	551	248	138	153	520	533	446	520	444	531	318	330	533	366	303	482	277	434	297	462	82	336	339	430	423	414
13:30	340	415	491	576	522	488	152	139	89	486	491	399	299	419	484	276	253	503	268	333	392	130	335	303	397	149	325	307	446	128	299
14:00	293	299	456	496	465	390	279	151	122	427	452	370	163	374	438	276	261	452	184	285	387	108	365	331	329	127	304	284	392	200	284
14:30	241	239	259	324	368	246	327	154	123	351	400	328	138	330	383	204	178	391	189	253	281	27	281	281	290	109	312	248	320	123	210
15:00	234	79	132	70	319	189	227	123	52	288	334	269	112	274	316	187	81	317	176	184	277	37	184	228	245	74	249	224	234	56	204
15:30	229	33	90	12	254	231	179	125	22	227	268	155	105	205	241	158	31	217	131	158	235	60	128	160	205	58	195	184	189	96	155
16:00	195	43	152	26	191	177	182	115	12	183	202	113	135	163	184	138	4	148	90	136	177	51	80	129	154	70	136	104	143	113	96
16:30	127	56	166	62	150	73	94	71	14	120	141	117	152	107	131	105	4	106	65	93	117	44	79	87	100	69	84	62	93	24	67
17:00	85	26	101	45	98	21	75	53	28	70	90	80	81	76	84	64	27	70	47	61	71	52	47	52	59	40	58	52	59	21	34
17:30	52	6	60	31	63	15	48	31	19	40	51	37	52	46	48	37	19	39	29	36	41	19	33	28	30	20	27	28	23	20	19
18:00	28	2	30	21	31	16	24	11	7	23	25	19	28	21	23	17	7	17	13	17	18	8	13	10	13	7	10	11	11	6	7
18:30	12	3	14	4	12	6	10	2	5	8	9	7	9	6	8	6	4	6	3	6	5	1	4	3	3	3	2	3	2	2	1
19:00	3	1	3	1	3	2	2	1	0	2	2	1	2	2	2	2	0	1	1	0	1	1	1	0	0	0	1	0	1	0	0
19:30	0	0	1	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.81 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN SEPTEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0
06:30	9	7	3	3	7	4	2	6	6	5	4	2	6	2	5	5	3	4	4	4	2	5	4	4	3	2	3	0	2	3
07:00	26	17	10	5	24	11	7	16	18	17	15	10	18	6	15	15	11	14	12	16	10	17	14	13	11	10	12	2	6	13
07:30	54	34	20	7	53	26	13	38	36	37	23	22	43	15	39	35	28	34	33	37	19	41	35	34	26	25	29	3	10	34
08:00	95	50	50	18	96	60	33	68	68	72	44	35	78	22	76	65	48	64	56	65	39	76	68	67	57	49	58	4	15	67
08:30	151	63	44	38	150	70	55	102	105	123	67	56	123	59	126	111	80	107	85	81	87	122	112	109	101	84	99	8	32	110
09:00	213	105	71	100	216	90	73	135	153	175	96	88	177	91	187	161	112	158	130	93	118	179	165	163	152	124	148	13	64	163
09:30	279	258	120	168	281	132	138	164	189	240	106	136	236	138	253	221	145	213	159	180	167	239	219	220	205	160	194	35	68	220
10:00	339	336	190	164	343	116	138	196	225	261	124	177	291	237	313	279	194	262	177	241	284	289	275	275	143	183	230	84	252	273
10:30	396	317	237	181	382	90	230	255	273	313	136	251	338	360	368	333	269	312	155	293	252	335	326	317	94	206	258	139	208	320
11:00	424	269	307	216	436	130	262	402	327	396	155	158	376	372	410	372	329	280	226	362	215	383	351	348	113	152	290	306	106	357
11:30	455	175	288	270	477	117	164	452	377	390	165	158	415	391	431	395	356	197	246	370	230	413	369	365	181	215	296	362	99	381
12:00	426	162	248	139	490	82	179	464	379	447	190	200	429	446	434	394	268	285	298	342	204	419	355	362	274	262	334	274	136	383
12:30	409	131	310	159	466	105	244	323	290	443	218	246	407	341	423	313	278	289	170	387	182	406	373	351	209	328	347	183	151	373
13:00	333	133	277	224	355	120	168	257	348	402	216	280	376	311	411	330	242	305	171	284	291	383	348	323	223	316	330	134	166	347
13:30	364	104	299	177	225	115	120	253	211	334	215	357	313	289	372	345	162	221	136	286	150	299	314	279	181	276	288	88	270	306
14:00	207	106	232	177	211	129	165	301	107	276	117	322	209	224	316	286	179	211	210	258	104	222	264	231	186	235	246	63	198	258
14:30	176	95	218	137	158	93	205	213	148	196	145	263	168	181	257	234	141	238	160	210	145	192	215	169	189	196	196	45	180	206
15:00	215	52	159	65	119	83	151	108	181	150	118	219	159	153	192	190	113	144	108	153	96	151	162	123	151	150	136	22	71	151
15:30	180	41	122	105	84	60	62	83	104	157	75	168	150	135	143	124	114	98	93	110	81	105	113	87	101	106	87	25	96	100
16:00	113	45	42	60	79	32	92	75	86	97	38	119	106	119	98	86	52	82	71	61	49	36	71	56	63	66	55	16	71	61
16:30	92	29	37	42	55	21	26	41	56	65	45	75	63	71	63	48	44	50	43	36	13	38	41	32	34	36	27	7	38	32
17:00	51	12	48	46	34	8	11	21	24	39	28	40	35	36	33	27	26	26	22	18	3	21	19	15	15	16	13	1	17	14
17:30	24	6	15	26	13	5	8	9	10	15	11	18	16	14	13	11	10	10	7	7	0	5	5	5	5	5	3	2	4	3
18:00	9	4	1	9	4	2	6	3	4	4	1	5	4	3	3	3	2	3	2	1	1	1	1	1	1	0	1	0	0	1
18:30	2	1	0	1	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.82 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN OCTOBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	2	1	2	1	1	1	2	2	2	1	1	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
07:00	11	3	7	7	8	9	7	7	6	5	7	4	4	3	4	1	4	4	3	2	2	3	2	2	2	2	2	2	1	2	
07:30	27	4	20	19	20	24	22	21	20	17	21	11	15	7	15	1	15	14	10	8	8	10	10	10	6	8	8	7	6	6	7
08:00	59	16	39	43	44	52	45	47	46	37	48	22	28	11	35	2	33	34	26	20	20	25	24	26	18	20	22	20	19	14	19
08:30	102	33	70	78	74	89	81	82	77	61	84	42	47	18	63	3	63	52	47	39	40	48	46	50	36	40	44	39	34	28	35
09:00	148	87	108	121	115	136	131	129	125	96	128	77	53	24	100	10	99	95	75	60	66	80	72	80	54	64	74	65	51	45	57
09:30	179	161	140	169	164	186	175	180	163	138	181	119	72	39	142	27	141	135	109	92	98	121	103	116	79	92	108	97	90	71	93
10:00	240	219	165	221	214	237	179	230	204	172	230	145	117	48	180	28	187	178	143	120	132	159	134	152	116	124	144	129	114	86	119
10:30	184	252	168	263	255	281	227	273	234	206	271	190	191	32	194	35	227	213	176	148	163	193	159	179	136	158	175	141	130	97	145
11:00	174	248	242	295	289	318	281	310	261	222	303	201	167	42	206	48	255	240	201	169	185	221	162	197	152	179	198	167	153	125	163
11:30	154	196	231	310	313	339	278	330	287	228	318	213	88	40	208	57	272	190	220	166	203	236	54	207	155	206	218	178	139	135	174
12:00	289	236	219	316	318	342	296	335	291	237	321	227	84	65	229	64	284	163	220	136	210	243	55	213	91	209	217	190	113	124	175
12:30	302	240	241	309	294	336	283	325	264	249	305	243	111	97	167	46	277	133	213	144	201	238	71	201	63	196	208	174	139	105	168
13:00	191	208	215	291	273	312	261	300	224	247	269	207	49	124	174	42	258	158	197	142	186	220	81	178	98	175	190	170	133	106	152
13:30	171	150	183	258	246	261	209	264	175	227	230	160	33	107	137	25	216	159	166	107	164	193	104	146	39	153	167	150	123	93	136
14:00	184	185	132	218	197	216	179	223	180	197	187	128	25	123	161	16	178	133	133	96	137	158	105	124	24	129	134	123	85	62	114
14:30	113	157	121	172	160	176	141	175	146	153	149	77	27	101	95	19	137	105	101	82	105	121	85	93	52	103	103	92	76	50	86
15:00	97	86	93	129	124	131	94	128	104	109	113	65	14	83	39	22	98	86	74	64	72	85	65	67	21	70	71	60	50	40	59
15:30	90	59	52	88	87	94	65	83	72	73	73	35	12	61	59	9	65	55	46	39	46	55	42	41	12	41	44	27	35	36	33
16:00	51	44	26	54	54	60	41	50	43	44	37	19	7	41	25	4	36	30	25	21	25	29	22	21	5	23	23	14	17	21	17
16:30	19	22	22	28	29	31	16	25	22	22	16	13	3	18	12	2	16	13	11	9	10	12	8	9	1	9	9	6	6	8	7
17:00	9	7	8	12	12	13	7	9	8	8	6	4	2	5	4	1	5	4	3	2	3	3	2	2	0	2	2	2	2	1	2
17:30	2	3	2	3	2	3	2	2	2	2	2	1	0	1	1	0	1	1	1	0	1	0	1	0	1	1	0	0	0	1	0
18:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.83 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN NOVEMBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	1	0	1	1	1	0	1	1	1	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0
07:30	7	8	3	5	2	5	2	5	5	5	3	3	3	4	3	2	1	2	3	0	0	1	2	2	2	1	1	1	1	1
08:00	21	21	7	18	6	17	6	15	16	17	9	7	11	12	9	10	4	6	8	2	5	5	7	8	7	6	6	3	6	6
08:30	42	44	11	35	9	35	17	31	35	38	21	17	24	26	21	22	6	15	20	5	11	15	20	19	18	14	17	8	15	14
09:00	69	71	21	63	11	62	34	56	62	66	38	39	41	35	38	41	11	27	40	10	21	26	37	37	35	28	32	24	30	29
09:30	100	110	32	94	32	94	64	86	93	101	59	57	60	55	61	65	19	45	57	14	27	37	62	55	53	45	52	41	49	47
10:00	131	143	50	121	49	129	57	116	127	134	78	59	80	66	82	89	33	60	83	16	25	57	85	83	71	65	76	49	69	60
10:30	160	167	66	145	58	153	41	116	158	165	132	107	93	89	105	112	39	83	105	22	36	78	106	113	83	93	96	69	88	84
11:00	175	208	59	166	39	178	62	130	183	194	155	113	113	115	119	131	54	93	122	38	48	65	126	132	65	111	112	84	107	106
11:30	188	198	57	165	47	196	71	173	198	209	165	95	133	145	127	145	73	94	121	43	63	79	135	143	74	116	123	82	122	117
12:00	183	143	86	166	25	199	88	184	203	216	178	117	128	155	132	144	89	92	108	26	69	83	133	145	77	106	128	86	122	115
12:30	174	193	101	166	11	188	85	169	197	207	174	130	104	168	123	144	78	96	112	20	30	113	130	138	69	118	124	103	121	122
13:00	159	160	93	142	21	171	106	165	180	191	123	94	83	151	112	123	87	93	90	10	25	105	113	127	25	86	115	80	94	104
13:30	138	142	78	122	52	147	84	134	155	163	106	66	64	130	96	110	50	84	75	18	13	92	102	109	20	81	99	59	71	88
14:00	108	99	58	86	35	116	69	111	126	127	104	32	63	105	71	84	46	67	81	11	11	74	79	89	10	75	78	45	68	67
14:30	84	39	61	68	17	87	12	84	93	96	85	29	40	78	52	56	35	52	46	12	7	54	59	66	6	56	57	21	48	49
15:00	68	22	57	39	14	59	6	57	63	65	58	22	26	51	36	40	33	39	31	5	7	34	39	44	5	35	33	22	29	31
15:30	42	16	27	29	17	34	5	34	37	39	35	12	20	29	21	22	20	23	16	4	6	19	21	25	3	18	17	8	15	18
16:00	21	13	10	15	11	17	2	16	18	17	15	4	10	13	10	11	9	9	7	1	3	9	8	10	1	8	6	4	4	7
16:30	7	6	4	5	2	6	2	6	5	5	5	1	3	4	3	3	3	2	1	1	1	2	3	3	1	3	2	2	1	2
17:00	1	1	1	1	0	1	0	0	1	1	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
17:30	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A. 84 UV DATA BASE - 1974 PHILADELPHIA, PENNSYLVANIA

COUNTS BY TIME OF DAY FOR EACH DAY IN DECEMBER

DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
TIME																															
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
08:00	1	1	2	3	4	3	4	0	3	3	3	1	2	1	3	0	3	2	1	3	1	2	2	2	0	2	1	2	2	1	3
08:30	1	3	8	10	12	10	12	2	11	9	9	6	4	2	7	1	8	6	3	8	4	5	6	6	1	6	3	6	4	2	7
09:00	2	10	16	23	25	23	24	4	23	19	21	7	8	4	17	1	18	14	5	18	11	12	14	15	1	15	10	16	9	7	18
09:30	3	18	29	37	43	37	43	7	39	34	38	20	15	10	31	1	32	25	15	32	19	23	26	22	2	27	15	30	11	7	31
10:00	3	19	42	55	64	54	69	8	56	49	58	34	20	12	45	5	49	38	11	48	25	27	41	32	2	43	23	49	16	23	37
10:30	13	24	33	73	90	72	84	12	73	67	74	21	22	14	56	6	65	50	18	66	29	44	57	26	2	59	32	67	24	47	41
11:00	29	23	53	88	103	85	96	17	90	66	87	34	16	8	67	3	73	61	30	82	37	56	78	28	4	72	32	82	47	69	53
11:30	21	33	54	101	94	93	117	22	68	52	97	51	25	6	82	6	58	61	42	92	47	61	83	47	8	83	36	95	43	97	58
12:00	19	29	37	107	110	95	116	47	49	56	93	92	44	11	85	1	64	59	38	97	51	55	76	41	14	90	49	103	39	93	38
12:30	17	24	56	105	108	90	111	20	72	30	91	98	55	22	75	4	82	64	27	97	54	42	85	35	22	89	50	102	29	95	32
13:00	19	34	53	97	96	85	83	19	73	30	82	88	53	19	68	13	64	54	17	90	45	37	76	23	18	84	48	93	37	17	17
13:30	12	32	71	83	72	73	92	21	51	44	74	79	48	26	55	13	52	38	22	77	41	28	72	14	9	74	60	82	31	28	12
14:00	6	17	62	66	53	61	82	21	45	31	64	69	41	38	40	13	39	46	32	59	33	16	60	13	21	58	24	68	18	29	14
14:30	4	15	44	48	32	43	58	22	37	36	47	51	33	27	30	14	27	34	30	40	27	16	44	14	33	44	13	51	23	35	10
15:00	3	8	28	31	20	27	29	14	20	27	31	32	20	23	19	5	23	22	9	24	21	17	20	8	34	28	9	33	16	36	6
15:30	2	2	15	17	10	14	14	11	13	14	16	18	12	15	9	5	14	13	8	11	11	9	7	5	7	14	3	19	7	21	4
16:00	1	0	6	7	5	6	7	4	6	5	6	7	5	6	4	1	6	5	4	3	4	4	4	4	2	6	1	8	3	10	2
16:30	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0	2	1	3	0
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

DES MOINES

TABLE A.85 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN JANUARY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	1	1	2	1	1	0	1	1	1
08:30	2	2	2	3	3	4	3	3	3	2	3	3	3	5	6	5	5	2	2	1	2	2	4	6	6	3	2	4	5	6	5
09:00	8	5	7	9	8	9	8	7	9	6	7	9	7	15	17	15	15	7	5	4	7	6	14	14	17	5	7	11	13	17	14
09:30	15	11	14	21	15	19	19	13	18	10	16	20	16	32	35	30	34	12	10	6	13	18	29	29	35	10	9	20	29	34	28
10:00	26	18	26	37	27	35	31	24	35	18	27	36	28	56	60	56	56	18	16	13	21	34	49	48	57	14	16	40	47	50	44
10:30	40	24	49	57	40	51	49	32	55	26	37	56	44	83	88	78	82	21	23	23	32	56	74	70	82	18	24	62	69	65	66
11:00	55	29	72	79	50	74	66	45	74	36	46	78	60	111	115	89	107	28	26	34	37	69	99	98	109	22	54	86	92	94	88
11:30	65	38	91	98	64	91	81	36	106	46	53	95	72	135	138	101	126	32	31	58	58	61	120	119	131	25	59	105	111	107	110
12:00	72	43	104	112	85	99	93	33	101	52	66	103	82	153	160	118	140	29	34	53	61	57	137	131	147	28	77	118	124	117	125
12:30	80	50	106	115	104	101	103	30	111	54	72	111	88	166	174	134	143	29	35	46	57	61	144	140	155	34	75	128	133	136	135
13:00	79	54	102	114	96	98	101	24	98	52	66	109	92	169	171	135	100	23	36	50	64	64	146	138	154	32	83	135	132	128	136
13:30	71	46	91	105	93	91	94	27	87	52	66	113	87	159	143	158	55	24	32	52	58	55	137	127	144	24	76	127	125	134	131
14:00	62	39	76	89	87	74	77	21	76	44	60	97	77	140	134	157	41	21	37	31	43	49	123	112	128	25	89	104	115	124	116
14:30	47	32	58	70	68	57	55	15	49	35	49	69	59	109	109	109	36	21	33	28	30	57	98	91	105	32	56	82	88	97	96
15:00	33	22	41	49	47	40	38	12	29	29	37	49	45	81	85	74	25	17	29	22	25	42	73	71	80	26	48	62	67	74	72
15:30	21	13	25	30	31	25	25	8	19	18	23	28	27	53	57	46	19	12	14	10	19	31	51	50	54	13	37	41	47	53	50
16:00	11	8	13	15	15	13	12	4	10	9	13	13	15	29	30	27	10	6	7	5	9	16	30	30	32	7	18	24	29	30	31
16:30	4	3	5	6	6	6	7	1	4	5	6	5	6	13	12	12	4	2	2	3	3	8	15	15	16	3	9	13	15	15	14
17:00	1	0	2	1	1	1	1	1	1	1	2	2	2	3	3	3	2	1	1	2	1	2	5	5	6	1	3	5	5	6	5
17:30	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.86 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN FEBRUARY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0	1	1	2	2	2	2	2
08:00	1	1	1	2	1	2	1	2	2	3	3	3	1	0	1	3	5	1	4	3	2	7	4	6	7	10	7	9
08:30	2	2	6	4	4	3	6	6	6	9	9	11	4	2	3	11	15	4	12	6	4	18	14	17	18	24	19	20
09:00	5	7	14	11	8	7	15	13	16	20	22	25	8	5	5	26	31	8	25	13	6	36	32	33	38	47	38	39
09:30	10	11	24	16	16	12	29	24	33	24	39	47	12	10	11	47	54	14	44	19	7	60	57	58	66	81	52	64
10:00	16	21	35	24	27	22	48	39	48	29	62	73	22	17	20	74	84	19	69	33	7	90	92	88	105	119	83	92
10:30	22	24	52	26	33	39	70	58	79	34	87	107	27	17	31	103	118	25	97	48	7	127	117	123	147	162	90	120
11:00	31	32	74	31	42	61	90	76	104	81	115	140	34	24	36	133	145	29	123	68	9	161	120	149	186	200	99	147
11:30	42	51	92	47	51	77	108	95	128	98	140	166	42	38	36	155	171	38	149	91	9	194	113	178	210	231	121	170
12:00	97	59	104	64	57	94	122	109	145	123	158	185	46	38	39	176	189	35	166	73	11	217	98	198	234	250	157	180
12:30	108	70	112	69	54	110	131	116	158	134	168	194	54	41	37	186	203	24	180	132	22	231	120	207	250	255	222	195
13:00	68	81	110	92	48	104	130	96	159	136	168	191	57	43	33	186	204	28	167	129	28	233	122	204	248	240	242	200
13:30	48	85	91	102	44	93	124	96	148	130	160	183	67	47	34	175	194	35	172	106	43	225	119	191	232	226	234	184
14:00	38	85	72	80	45	87	103	91	132	114	145	163	59	43	31	156	172	40	150	83	14	203	129	170	211	205	168	137
14:30	42	68	73	64	33	78	98	64	112	95	120	139	54	32	32	133	144	23	131	58	17	171	100	143	178	173	146	125
15:00	32	56	56	60	26	56	64	49	88	74	93	108	43	27	23	105	110	25	103	54	18	137	66	112	142	136	118	90
15:30	29	37	39	45	31	40	39	37	61	52	67	79	29	20	14	76	79	29	75	38	14	99	45	79	103	102	72	84
16:00	22	13	23	28	20	20	22	20	40	33	43	49	19	13	9	49	53	28	50	19	13	65	33	52	68	74	33	56
16:30	12	6	12	15	12	11	10	13	21	19	23	28	11	7	5	29	30	19	30	13	5	38	22	30	42	44	17	35
17:00	4	3	5	5	5	5	3	6	9	8	11	13	5	3	2	14	15	10	14	9	3	18	11	15	21	20	8	17
17:30	1	0	1	2	2	2	1	2	2	3	3	3	1	1	1	4	4	3	5	5	1	6	3	6	7	7	3	7
18:00	0	1	0	0	0	0	1	1	0	0	1	1	0	0	0	1	1	1	1	0	0	1	1	1	2	2	0	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
19:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.87 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN MARCH

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	1	1	1	1
07:00	0	0	0	0	0	1	1	0	0	0	1	0	2	0	1	1	2	2	1	2	3	3	3	3	3	4	5	3	1	6	3
07:30	2	3	4	0	4	4	4	2	1	3	0	7	6	3	2	3	4	10	4	9	9	7	8	10	10	10	16	9	3	17	10
08:00	7	10	12	2	12	16	16	10	3	10	3	17	18	10	9	7	13	24	15	19	24	11	20	23	23	32	35	17	9	30	25
08:30	14	25	29	4	28	36	34	31	14	29	7	36	36	17	22	15	27	46	29	30	44	19	43	45	46	60	61	26	14	50	23
09:00	25	45	50	9	51	66	61	60	34	51	11	62	65	25	21	23	37	80	52	35	77	30	66	75	78	92	91	43	22	69	31
09:30	36	71	74	15	82	105	98	100	20	71	20	99	99	31	43	39	79	102	71	31	114	53	99	109	116	140	136	82	55	141	53
10:00	71	103	112	30	119	155	139	155	26	102	19	140	141	29	53	63	120	87	103	49	157	76	141	146	160	198	192	133	46	207	104
10:30	123	135	151	42	159	200	174	205	62	158	24	182	184	40	129	114	129	52	108	67	193	91	134	167	202	256	221	172	81	258	156
11:00	108	165	185	57	196	243	183	251	83	201	29	224	226	32	177	175	114	53	116	78	223	48	148	195	243	296	260	145	25	306	233
11:30	101	202	218	52	227	281	235	155	91	253	41	259	260	42	223	217	139	112	150	63	238	46	218	251	277	334	294	156	31	347	309
12:00	141	214	229	43	250	308	189	124	119	264	58	285	283	51	221	218	194	147	201	51	251	56	201	270	302	363	318	196	27	372	360
12:30	92	220	253	54	259	319	124	167	120	216	61	298	292	61	152	162	210	162	240	52	273	41	233	271	311	367	318	215	28	383	351
13:00	81	219	265	86	256	317	237	118	100	197	51	300	289	59	203	135	207	121	276	51	265	53	241	260	304	341	340	261	72	380	328
13:30	112	200	252	74	242	303	144	219	75	171	44	281	271	50	164	91	205	78	278	56	244	50	232	244	288	277	337	259	63	360	343
14:00	129	191	232	71	224	276	80	113	84	182	35	254	247	41	191	81	209	59	272	86	186	53	231	220	258	257	322	201	39	329	310
14:30	121	179	197	80	189	239	103	89	100	186	27	217	209	31	156	123	218	63	229	82	160	67	186	185	224	252	242	221	33	284	270
15:00	66	130	117	86	149	192	77	99	90	124	21	174	170	34	111	66	173	68	183	89	154	49	143	146	180	196	225	167	18	233	211
15:30	49	85	97	86	114	145	66	102	71	79	12	131	127	26	80	44	129	46	140	44	121	44	100	84	136	149	176	141	11	179	169
16:00	28	65	69	54	78	100	51	77	43	53	7	90	88	19	36	27	86	31	101	41	83	35	74	56	95	101	125	98	9	129	131
16:30	18	39	39	33	47	62	36	48	45	26	5	56	53	15	35	17	51	25	65	19	53	27	48	46	62	62	82	63	6	84	84
17:00	12	20	19	20	25	34	20	24	23	8	4	31	30	8	16	15	26	12	36	8	29	20	22	28	34	41	48	40	3	49	50
17:30	4	8	8	8	10	14	7	11	13	3	2	13	12	5	7	4	10	5	17	7	14	9	5	13	17	19	25	20	2	25	26
18:00	1	2	2	2	3	4	2	4	3	1	0	4	4	3	2	2	3	1	6	4	5	4	1	5	5	7	10	8	0	9	10
18:30	0	0	0	1	0	1	1	0	0	0	0	1	1	0	0	0	1	0	1	0	1	1	0	1	1	2	2	2	0	3	1
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
19:30	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.88 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN APRIL

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	1
06:30	1	2	0	0	3	2	3	3	3	2	0	1	1	1	1	1	1	1	1	1	2	2	1	2	3	3	4	3	2	4
07:00	4	5	1	1	8	10	11	11	10	11	0	0	4	1	5	6	7	6	3	7	9	8	5	10	11	12	14	10	5	15
07:30	8	13	1	3	20	26	25	27	28	21	4	4	11	3	15	14	18	19	6	20	24	20	11	25	27	28	33	14	16	38
08:00	16	43	2	6	40	51	48	50	58	38	4	13	27	8	31	32	40	39	15	32	48	41	38	51	55	38	65	9	25	56
08:30	32	82	2	16	70	92	80	84	98	62	10	21	55	20	57	58	74	73	25	38	84	69	68	89	93	36	107	2	39	104
09:00	42	131	8	18	110	140	119	132	149	106	28	44	61	33	94	97	122	116	34	36	131	110	123	139	145	16	164	1	55	178
09:30	30	171	45	31	156	198	165	181	207	149	16	49	89	35	142	144	180	168	51	41	188	160	182	198	203	39	231	10	73	241
10:00	37	240	134	38	204	241	216	236	267	198	4	38	117	28	196	198	240	228	70	63	248	213	231	269	272	47	282	94	94	259
10:30	62	301	232	51	254	255	257	284	320	281	14	47	188	47	252	257	303	286	96	65	257	269	313	325	339	65	357	286	100	358
11:00	63	340	263	87	297	251	295	331	377	293	37	75	226	57	305	318	362	343	130	55	295	323	334	394	404	128	411	308	189	434
11:30	75	375	292	128	331	279	333	333	415	260	69	77	332	60	343	367	419	397	162	32	371	370	390	431	456	274	454	503	302	471
12:00	98	392	177	176	350	369	359	366	437	327	126	79	214	64	374	401	454	435	220	42	391	408	442	488	488	335	414	477	374	492
12:30	103	416	121	256	361	366	362	384	448	349	106	120	256	63	372	414	484	456	287	34	478	429	465	485	492	128	469	344	320	512
13:00	280	362	208	214	356	388	364	375	438	283	149	79	267	84	319	430	495	463	395	57	418	436	470	417	505	258	444	398	318	558
13:30	303	339	181	196	338	326	344	369	412	340	152	62	119	70	258	427	486	447	430	51	415	431	468	469	483	271	366	335	326	546
14:00	279	275	193	195	304	240	314	329	368	329	112	93	88	78	303	407	459	407	405	29	450	410	440	483	395	118	343	253	239	517
14:30	242	293	178	184	263	179	267	294	320	279	72	198	157	98	260	360	413	352	371	38	412	334	402	423	325	134	418	218	356	468
15:00	217	227	163	145	216	170	146	245	262	189	62	97	69	88	203	313	362	304	326	63	353	301	352	333	306	156	434	149	328	404
15:30	147	135	73	106	163	91	86	190	201	105	136	61	71	79	132	220	298	279	275	20	286	261	297	306	285	185	346	31	272	335
16:00	96	99	23	71	119	61	64	130	150	63	150	37	65	61	102	213	234	209	215	6	222	179	233	199	220	85	277	1	245	270
16:30	68	70	12	48	79	53	46	92	100	54	15	35	36	33	71	159	170	148	160	6	160	153	166	132	160	70	183	7	198	202
17:00	45	33	8	31	46	28	20	54	62	28	32	26	21	36	46	90	115	89	111	32	107	110	114	92	108	75	121	9	153	142
17:30	24	18	2	16	25	16	10	27	32	11	28	26	22	17	43	57	70	44	70	9	71	69	71	58	76	49	81	8	103	92
18:00	10	5	2	7	10	7	3	13	13	6	15	9	10	6	28	33	38	33	38	4	43	40	40	22	48	30	43	4	63	53
18:30	2	1	0	3	3	2	1	3	4	2	12	5	4	3	13	16	17	16	17	1	21	18	19	13	23	15	22	2	28	10
19:00	0	1	0	0	0	0	0	1	0	0	4	1	2	2	4	5	6	6	6	1	7	7	7	5	9	3	9	0	10	3
19:30	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1	1	2	0	2	2	1	0	2	1	2	1	3	1
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
21:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.89 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN MAY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	1	0	0	1
06:00	1	1	1	1	1	1	0	0	1	2	1	2	0	1	2	1	1	2	1	3	2	3	3	3	1	1	2	3	3	4	1
06:30	4	4	4	3	4	5	1	2	5	3	5	5	0	1	7	1	0	4	4	11	9	9	10	10	2	2	6	11	6	12	6
07:00	14	14	14	12	12	14	3	2	10	6	16	10	1	5	19	1	3	4	11	30	23	27	23	25	16	3	11	25	16	27	22
07:30	33	34	32	24	28	31	5	6	18	12	36	38	0	17	42	4	8	4	14	61	46	55	47	50	43	8	13	54	23	49	52
08:00	61	65	68	37	57	59	7	16	29	16	62	50	1	35	78	6	18	1	27	104	73	95	66	86	71	14	29	93	39	75	81
08:30	103	109	103	51	95	98	15	25	78	25	121	103	1	70	123	20	34	1	30	160	94	153	123	135	77	23	85	159	71	96	115
09:00	155	164	157	75	158	149	25	37	120	75	178	108	13	110	190	91	45	10	27	226	105	218	194	196	133	44	104	225	99	106	176
09:30	219	229	224	115	211	209	48	66	138	103	241	161	17	160	220	135	84	39	53	301	120	282	182	265	184	39	47	245	105	54	256
10:00	241	302	294	240	277	274	38	64	150	194	310	186	27	233	247	213	74	85	100	378	170	362	108	335	199	49	123	299	190	30	297
10:30	270	370	361	286	346	343	59	58	228	200	383	210	41	294	318	267	163	99	145	459	181	434	86	401	181	58	162	475	417	9	360
11:00	365	429	431	385	404	406	39	66	195	164	446	288	65	327	406	105	241	220	158	528	217	495	148	465	144	57	84	367	505	7	485
11:30	421	481	488	460	456	457	66	92	196	259	500	409	64	429	450	82	200	301	111	475	357	545	344	513	226	56	65	437	476	9	507
12:00	461	521	528	472	493	499	89	91	188	390	535	401	85	489	595	213	228	378	97	589	273	582	421	551	122	100	62	332	307	22	472
12:30	373	542	553	367	519	521	91	100	128	369	506	449	53	404	563	304	210	518	120	636	400	593	494	572	192	98	155	337	159	135	504
13:00	393	548	563	358	523	528	85	110	124	383	565	560	88	593	575	198	337	556	123	633	515	608	558	575	92	130	264	335	298	385	569
13:30	388	537	554	412	514	517	124	90	74	331	544	541	219	347	588	269	204	511	166	565	369	602	552	560	26	130	279	440	468	374	554
14:00	482	506	526	489	494	490	79	106	160	312	453	540	337	193	451	248	194	460	197	516	206	494	438	529	120	190	491	420	218	337	558
14:30	413	464	485	426	461	448	67	85	157	295	452	493	239	318	379	261	255	444	362	497	410	508	446	490	201	207	452	419	222	503	532
15:00	389	407	426	370	356	399	88	62	238	169	394	449	163	416	382	198	217	126	316	374	479	454	336	434	180	104	344	414	429	401	465
15:30	293	340	361	312	353	331	107	53	281	116	342	383	189	339	321	152	154	45	169	378	365	392	313	371	124	101	329	250	366	434	388
16:00	225	271	288	266	237	268	52	60	269	91	261	309	67	281	237	144	85	49	160	291	387	321	313	303	58	83	142	269	296	369	320
16:30	178	203	219	180	163	199	71	58	199	56	202	236	45	187	236	109	56	32	116	231	228	249	233	238	59	92	123	112	228	240	263
17:00	100	146	152	127	100	144	60	28	143	45	142	171	22	135	177	70	72	70	61	174	181	183	169	174	115	102	197	183	200	181	204
17:30	78	95	100	66	82	91	27	18	93	34	85	115	2	90	107	44	57	29	36	130	126	124	109	117	86	90	141	121	138	90	141
18:00	42	57	57	27	48	53	18	11	56	21	37	68	1	45	57	31	15	14	21	83	97	77	64	75	48	44	89	88	90	42	88
18:30	25	27	30	16	25	27	14	6	30	10	5	35	0	23	38	18	7	7	16	43	45	42	40	42	28	29	33	45	53	13	54
19:00	11	9	13	7	11	9	9	4	12	4	5	15	0	11	18	8	2	12	7	21	18	20	20	20	10	23	18	24	28	7	13
19:30	2	2	3	2	4	3	2	1	4	1	4	5	0	3	5	3	0	4	2	8	4	8	7	7	4	8	5	10	10	5	4
20:00	1	1	0	0	0	0	1	0	1	1	1	1	0	1	2	0	0	1	1	2	1	1	2	2	1	2	2	3	3	1	1
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	1	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
22:00	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.90 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN JUNE

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	1	1	1	0	0	1	0	1	3	1	1	1	1	0	1	1	0	1	1	1	1	0	1	1	1	0	0	1
05:30	4	4	3	4	4	1	3	4	3	3	12	4	4	2	4	4	4	5	5	4	3	3	4	4	4	4	5	4	4	4
06:00	13	12	7	11	12	8	6	11	3	11	28	13	13	7	14	12	13	14	15	13	12	6	15	13	13	13	14	13	11	15
06:30	34	27	15	25	28	19	16	27	17	20	51	31	28	17	30	27	31	34	33	27	31	13	34	30	32	31	33	31	27	33
07:00	65	55	24	51	53	29	29	44	30	44	84	59	43	45	56	53	61	66	62	60	62	8	63	61	61	59	64	59	54	66
07:30	105	93	12	90	90	30	21	78	95	90	137	100	77	93	95	92	99	112	114	103	100	36	106	103	103	99	107	100	91	110
08:00	166	141	51	131	137	28	42	106	145	141	193	155	153	170	147	142	152	172	172	151	109	36	162	157	160	153	166	149	148	169
08:30	232	202	93	190	186	29	58	114	203	196	268	224	205	235	212	210	201	243	212	206	215	60	232	219	225	210	234	227	166	242
09:00	304	275	187	254	246	89	79	170	283	223	336	300	292	309	283	262	254	320	295	168	274	90	307	289	297	283	309	294	245	320
09:30	377	347	333	325	310	127	144	211	357	275	390	367	369	390	356	339	357	399	382	162	321	120	374	364	370	357	385	358	339	393
10:00	447	414	412	394	361	135	284	234	337	306	288	437	424	472	417	329	440	472	457	254	434	68	422	301	440	435	458	429	395	466
10:30	517	473	464	414	403	182	378	217	369	332	482	499	509	537	472	272	512	540	517	215	490	54	451	383	507	500	522	456	457	529
11:00	569	508	514	461	429	154	343	153	584	466	281	558	474	596	479	354	567	595	558	326	248	172	544	570	560	555	581	537	518	575
11:30	607	475	554	376	496	231	202	130	622	492	334	566	568	637	505	341	554	633	595	592	574	301	468	571	601	596	618	574	560	628
12:00	630	277	563	457	288	516	176	126	499	465	351	602	670	661	525	533	546	657	426	425	542	311	475	619	617	629	641	577	584	612
12:30	636	434	569	390	456	568	268	106	323	589	438	622	417	661	598	552	500	662	385	441	604	387	666	621	636	644	650	592	584	637
13:00	603	586	535	386	511	410	527	50	179	583	376	608	539	653	575	574	602	645	569	474	577	447	659	617	599	589	649	609	575	549
13:30	588	384	521	405	419	399	483	54	177	506	341	589	512	637	541	543	474	589	581	601	357	392	606	587	602	561	617	589	548	453
14:00	554	298	450	210	440	485	277	68	197	326	329	542	497	536	506	500	531	553	332	314	309	373	568	549	558	557	568	539	513	568
14:30	491	351	419	281	417	433	200	77	179	269	399	480	456	257	446	397	504	510	400	228	168	503	517	496	503	505	513	482	464	463
15:00	397	211	358	229	343	126	141	112	157	379	312	423	370	44	379	290	436	430	116	418	94	274	436	427	427	439	451	419	403	446
15:30	343	275	282	211	241	171	149	61	84	212	276	359	344	156	320	270	364	359	68	369	261	321	371	358	357	369	378	347	339	362
16:00	251	212	185	207	203	134	140	70	73	243	173	288	226	237	249	211	290	205	55	622	200	232	294	285	276	295	295	274	274	309
16:30	197	158	148	170	183	82	113	37	46	59	131	210	182	147	185	144	216	118	90	220	116	211	222	214	211	223	223	207	204	237
17:00	136	77	127	94	132	26	104	13	24	121	89	148	157	24	126	125	152	117	90	156	44	144	154	150	148	159	160	148	146	170
17:30	84	66	80	63	84	25	90	8	31	80	48	89	103	77	79	79	100	100	86	104	53	88	100	99	95	105	110	99	99	111
18:00	32	38	47	31	51	25	44	3	21	31	24	42	62	65	47	55	60	61	63	65	18	57	59	58	57	64	68	61	59	68
18:30	11	21	22	21	26	9	24	1	10	19	10	17	32	33	25	29	31	32	33	30	32	33	32	31	31	34	34	32	32	25
19:00	6	9	10	9	11	4	10	1	5	8	3	9	14	14	10	13	14	11	15	13	14	14	13	14	13	15	14	14	10	11
19:30	2	3	3	3	3	2	3	0	2	1	1	2	4	4	3	4	4	2	4	4	5	4	5	4	4	4	4	4	1	3
20:00	0	0	0	1	0	0	0	0	1	0	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1
20:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.91 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN JULY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	1	0	0	1	0	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0
05:30	5	4	4	4	4	4	3	3	4	3	1	3	3	3	3	3	2	3	3	2	2	2	1	1	2	1	0	2	1	2	1
06:00	14	12	13	11	13	13	13	13	12	10	5	11	11	12	11	11	10	10	9	7	9	8	9	8	5	7	0	7	7	6	4
06:30	34	30	23	25	32	31	32	33	30	18	9	29	30	30	25	29	28	26	25	14	22	24	23	21	14	20	3	20	19	18	9
07:00	65	60	65	51	63	61	61	63	59	27	22	57	59	54	52	59	54	52	48	31	47	51	49	46	27	43	9	45	44	42	23
07:30	110	98	81	89	108	104	105	108	101	76	26	100	100	101	94	102	86	89	72	60	82	72	91	82	50	80	32	84	80	79	39
08:00	169	150	130	138	165	161	161	165	147	70	34	157	155	130	142	159	134	140	122	96	131	124	145	133	93	127	61	136	132	128	51
08:30	238	210	196	202	232	227	229	237	226	213	124	227	221	170	214	228	198	203	197	157	195	203	209	191	153	187	81	198	194	192	57
09:00	310	275	166	273	309	302	307	281	299	283	243	303	296	209	303	301	270	272	271	244	268	286	281	259	144	245	95	270	266	264	73
09:30	363	346	147	347	388	376	384	339	377	370	349	383	375	303	383	378	357	341	342	209	342	357	352	330	167	309	120	348	339	341	107
10:00	458	413	58	422	462	450	465	424	452	457	390	458	451	452	465	449	426	411	410	367	419	436	424	397	172	398	23	429	417	414	69
10:30	474	460	124	489	529	513	534	526	515	523	472	527	522	419	535	519	496	487	474	432	488	505	487	460	259	468	226	494	487	481	96
11:00	465	502	303	542	584	570	594	593	571	539	568	584	579	370	596	575	546	536	525	447	546	569	503	513	192	418	396	552	543	539	111
11:30	587	584	293	581	629	612	640	636	616	475	551	626	622	565	638	619	584	586	569	519	592	615	577	543	223	551	279	602	588	587	173
12:00	600	582	100	616	644	645	671	661	646	416	645	661	652	654	669	651	617	615	596	601	619	641	602	563	249	578	159	625	616	617	262
12:30	633	607	56	627	680	658	683	675	655	338	605	661	666	564	682	663	628	628	610	579	627	656	608	594	336	596	441	559	628	625	162
13:00	611	615	19	615	673	653	670	660	651	327	620	596	657	517	672	654	618	620	602	615	614	644	594	588	520	519	487	537	611	616	56
13:30	586	588	7	595	594	624	643	631	627	151	576	608	629	542	644	630	586	593	573	603	580	624	544	561	498	554	378	544	545	594	76
14:00	502	566	8	556	532	577	593	585	586	121	487	606	588	508	599	589	546	558	531	550	541	584	371	520	470	517	388	518	554	553	85
14:30	394	512	8	501	398	525	536	536	529	127	349	474	496	502	541	531	495	504	478	491	492	527	393	435	420	380	160	446	484	497	114
15:00	299	448	31	434	440	460	471	469	446	127	331	374	405	417	474	464	430	438	415	417	428	456	391	320	364	388	225	343	402	429	94
15:30	273	358	143	365	390	386	394	394	387	78	268	352	389	262	398	387	335	363	346	351	358	379	308	344	307	299	194	292	300	356	101
16:00	225	296	98	294	307	308	319	313	303	76	227	291	313	186	317	309	294	291	275	279	239	303	259	256	248	233	191	215	207	282	131
16:30	191	222	169	223	225	235	243	235	204	87	168	230	235	201	241	236	223	222	214	208	147	229	202	191	190	195	193	143	165	207	56
17:00	145	131	120	160	165	164	171	171	173	74	115	145	167	153	171	169	161	159	153	144	158	161	144	137	135	137	94	120	131	144	49
17:30	100	79	90	105	112	109	114	112	129	26	97	91	111	75	112	110	106	104	99	95	99	106	93	84	87	91	35	53	84	91	37
18:00	62	55	7	64	67	68	70	69	74	18	51	59	68	60	67	66	65	64	59	57	45	62	54	53	49	52	47	19	48	52	29
18:30	30	36	1	34	35	36	37	36	38	6	27	33	36	36	35	34	34	33	30	29	16	32	28	25	24	27	26	19	22	25	12
19:00	13	15	1	15	16	15	16	16	15	6	13	14	15	15	15	15	13	14	13	12	4	12	11	9	10	10	10	8	9	10	4
19:30	4	5	0	5	5	5	5	5	5	2	4	4	5	4	4	4	4	4	4	4	3	4	3	3	2	2	2	2	2	2	1
20:00	1	0	1	1	1	1	1	1	1	1	0	1	0	1	0	0	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.92 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN AUGUST

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	1	1	1	1	1	1	1	0	1	0	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
06:00	2	5	4	4	4	4	4	3	3	3	4	4	1	3	3	1	3	2	3	3	2	2	1	2	1	2	1	1	2	1	1
06:30	2	15	11	13	15	15	11	12	11	13	14	13	3	12	12	0	12	10	10	11	11	9	10	8	8	8	7	7	7	6	6
07:00	5	37	20	36	38	35	27	26	19	33	33	34	8	29	31	0	33	27	27	29	29	21	26	27	23	22	15	20	19	18	19
07:30	15	72	37	68	67	69	54	38	40	45	65	63	9	58	62	1	59	56	59	58	35	51	55	55	39	49	34	41	44	35	32
08:00	23	112	35	114	120	115	84	32	47	47	109	110	24	92	109	2	94	98	106	104	90	82	97	100	46	91	66	70	87	77	68
08:30	16	136	59	175	182	173	143	41	58	119	167	174	28	125	174	5	67	156	165	162	151	150	152	155	22	143	109	107	135	135	112
09:00	15	199	73	245	203	239	170	105	144	113	232	244	85	176	161	10	22	226	234	230	186	221	216	221	48	207	199	143	184	195	164
09:30	26	311	123	321	250	309	205	171	169	251	306	321	138	262	142	13	39	301	305	301	269	293	288	292	164	274	263	164	265	245	134
10:00	42	373	132	390	342	376	277	272	254	242	382	393	191	271	62	42	113	375	377	380	352	367	355	355	236	334	282	235	327	325	149
10:30	50	384	86	464	410	434	309	220	244	388	443	462	98	394	52	172	159	438	443	449	417	435	424	423	276	391	345	378	393	360	324
11:00	73	408	134	514	503	437	308	261	272	368	484	521	29	521	42	274	58	496	501	481	450	494	481	489	303	456	333	350	396	449	369
11:30	86	408	152	565	329	405	351	421	257	329	529	566	23	540	34	318	9	538	547	504	525	535	524	519	235	496	395	331	440	487	153
12:00	223	436	127	549	317	299	303	518	156	341	567	593	14	529	40	363	16	565	575	570	520	560	536	509	357	522	518	270	425	497	240
12:30	339	351	140	554	357	488	286	428	140	264	603	602	6	504	86	579	115	575	587	575	478	553	557	540	330	529	505	329	339	473	348
13:00	441	421	204	576	361	199	268	123	191	366	597	593	9	533	239	572	186	572	580	575	446	563	526	532	232	515	502	303	284	449	234
13:30	362	438	168	501	325	245	292	135	188	367	560	569	11	544	360	534	143	546	556	549	503	505	443	488	287	487	450	307	246	402	207
14:00	252	465	152	471	255	508	331	243	88	185	522	527	13	466	356	493	158	502	513	507	312	444	427	448	298	413	447	361	358	407	116
14:30	262	406	138	352	206	461	370	231	74	160	472	469	20	436	375	432	197	443	450	449	324	434	393	384	349	351	322	303	303	365	118
15:00	320	384	89	386	177	392	332	220	163	171	408	402	34	352	272	345	185	379	365	382	299	366	273	356	199	291	261	248	200	250	122
15:30	218	314	81	276	142	324	223	241	115	117	335	328	50	312	282	292	120	309	276	308	221	279	228	296	176	234	209	208	109	94	44
16:00	169	245	69	222	114	245	140	169	70	148	247	235	33	204	166	220	129	238	230	235	140	217	185	207	174	195	189	148	53	72	33
16:30	176	150	40	139	100	180	97	119	57	161	184	163	14	114	152	171	116	169	164	166	131	150	142	129	89	138	136	108	28	89	39
17:00	118	108	36	106	80	114	77	104	38	114	122	120	14	79	116	115	83	111	109	108	92	86	87	82	60	91	88	58	29	22	32
17:30	86	77	28	71	50	71	49	57	31	79	76	73	10	45	71	69	55	69	60	64	60	52	48	49	53	50	45	31	19	4	22
18:00	49	40	14	41	28	35	23	23	20	33	40	39	7	22	37	35	29	34	28	32	29	26	23	25	23	24	21	17	7	4	13
18:30	23	19	6	21	13	16	16	14	8	14	17	16	4	9	15	15	12	11	12	11	10	11	9	8	7	7	6	7	3	0	11
19:00	8	7	2	7	4	6	6	4	3	5	5	5	2	2	3	3	3	3	3	3	2	2	1	1	2	2	1	1	0	0	3
19:30	2	1	0	2	1	1	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0
20:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.93 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN SEPTEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
06:00	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
06:30	3	2	5	4	5	3	5	4	4	2	5	1	3	3	3	3	2	3	2	1	2	2	1	2	1	2	1	0	1	1
07:00	9	3	16	17	16	12	15	17	15	9	15	1	13	12	12	11	13	12	10	2	9	8	5	8	9	8	5	0	6	6
07:30	23	9	36	39	37	28	36	44	36	21	40	4	33	30	31	31	32	32	27	4	25	24	19	26	24	25	12	2	20	18
08:00	31	18	69	73	69	36	70	71	72	29	80	7	64	60	62	59	64	64	55	11	50	49	45	52	53	53	28	3	46	41
08:30	77	54	115	120	114	16	115	122	118	44	134	16	109	102	107	100	108	110	81	28	54	85	80	91	92	91	41	11	83	73
09:00	70	107	173	179	168	19	171	193	170	66	78	17	164	156	162	154	164	168	102	60	115	130	120	114	141	142	52	12	130	116
09:30	93	136	236	241	230	20	233	260	226	97	94	19	227	217	225	219	227	226	182	141	184	184	130	120	204	198	63	18	187	166
10:00	160	215	304	307	284	53	300	327	291	155	83	60	293	278	279	277	291	288	261	213	239	244	174	152	264	258	74	23	243	219
10:30	159	317	360	368	281	75	362	386	325	238	100	63	353	334	345	335	351	346	245	198	293	297	270	183	321	314	93	35	295	268
11:00	93	342	388	415	367	72	416	444	389	236	115	99	406	384	394	388	403	394	260	244	334	330	347	254	371	360	115	39	340	311
11:30	145	465	424	454	428	105	459	478	430	281	98	142	411	421	427	430	439	427	231	161	357	363	384	299	406	392	123	53	370	342
12:00	183	506	459	477	376	105	482	500	460	461	104	133	390	441	451	448	458	445	239	161	336	377	357	234	422	409	118	87	388	355
12:30	332	397	476	490	441	123	489	503	473	494	107	55	391	445	455	448	453	448	359	182	319	376	338	263	422	410	185	78	388	357
13:00	256	297	478	487	381	146	476	492	458	468	152	128	316	433	443	433	440	436	360	206	292	355	382	314	401	397	188	84	374	341
13:30	189	177	441	453	388	97	416	465	442	444	125	108	279	407	414	401	411	409	321	175	314	322	315	295	371	365	230	82	343	313
14:00	81	100	402	424	354	56	392	417	403	361	222	100	228	366	368	347	364	367	292	169	288	290	246	307	327	322	214	78	301	264
14:30	92	83	351	372	315	87	340	358	359	325	263	107	284	313	311	312	300	311	249	188	244	246	174	253	274	272	131	76	248	226
15:00	94	112	294	302	244	81	285	297	294	279	261	96	191	254	248	255	242	252	186	150	182	200	178	181	218	214	83	44	192	171
15:30	86	65	226	230	197	51	227	232	225	207	156	45	128	192	191	189	183	191	173	58	143	151	93	145	162	157	50	37	138	115
16:00	45	72	159	164	140	27	166	169	154	121	98	44	95	135	134	136	128	134	119	12	104	104	56	91	110	104	26	31	89	76
16:30	19	84	105	98	94	12	109	113	101	93	64	42	70	85	86	86	84	87	74	25	62	63	37	44	66	63	21	37	48	44
17:00	9	50	68	65	55	9	65	67	62	55	35	18	46	48	48	49	47	48	42	16	34	33	21	29	34	32	17	21	24	21
17:30	4	29	36	34	28	4	33	33	31	28	9	8	22	22	22	22	21	21	17	8	14	14	12	12	14	12	5	8	9	6
18:00	4	14	15	13	10	1	13	13	11	10	4	3	8	8	7	7	6	6	5	1	4	3	3	3	3	3	1	2	3	1
18:30	1	3	4	4	3	1	3	3	3	2	1	0	1	1	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1
19:00	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
24:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.94 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN OCTOBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
06:30	0	1	1	0	0	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	5	4	2	5	5	1	4	2	2	2	2	1	0	2	2	2	2	2	1	2	2	2	1	1	1	1	0	0	1	1	0
07:30	17	13	6	17	17	5	14	8	8	8	4	5	2	11	10	11	11	9	6	8	8	8	5	4	6	6	4	5	2	5	3
08:00	37	34	15	38	35	17	35	21	21	21	24	9	4	27	25	26	28	23	14	24	22	24	15	9	15	18	9	16	13	14	11
08:30	65	63	36	71	53	21	65	40	40	40	47	17	11	51	51	53	56	48	24	47	44	46	37	27	31	38	20	35	20	23	25
09:00	109	102	94	111	64	35	105	67	67	67	75	24	22	83	87	89	92	83	43	78	75	77	67	62	54	67	38	56	20	21	49
09:30	153	145	139	159	140	33	152	99	99	99	128	40	33	113	128	132	133	118	76	117	111	107	102	80	93	101	76	81	10	27	58
10:00	188	193	186	208	206	66	203	131	131	131	118	45	50	130	168	175	178	154	83	158	152	148	123	95	130	140	108	119	35	38	61
10:30	216	240	231	245	214	95	253	157	157	157	89	47	55	149	211	220	221	193	104	197	191	188	168	65	140	174	152	148	67	35	98
11:00	237	282	271	292	111	172	295	179	179	179	124	53	75	96	246	256	254	228	154	232	224	220	193	144	128	205	186	168	62	16	79
11:30	185	308	299	308	70	222	324	193	193	193	147	52	98	111	271	282	280	260	166	255	250	242	171	165	138	225	204	188	97	5	76
12:00	192	323	316	273	112	231	193	193	193	193	113	59	87	121	288	295	296	270	168	268	265	251	163	169	209	234	141	192	103	4	71
12:30	220	324	317	210	253	281	197	197	197	197	49	54	91	134	274	294	292	270	167	269	264	249	175	205	220	238	141	177	61	6	91
13:00	191	311	304	118	154	278	183	183	183	183	31	43	59	172	259	280	281	258	182	257	250	235	226	210	210	224	75	159	75	21	65
13:30	179	284	267	81	113	288	167	167	167	167	39	41	39	151	235	256	255	225	177	230	227	212	212	203	190	201	66	120	120	43	53
14:00	180	247	238	46	43	249	142	142	142	142	36	56	19	119	210	221	218	191	119	196	195	183	194	109	160	170	98	92	142	72	44
14:30	186	204	203	24	25	207	112	112	112	112	33	28	18	86	168	178	171	156	66	154	154	145	153	41	126	134	104	74	87	68	28
15:00	152	157	156	9	19	152	84	84	84	84	21	19	22	72	127	132	127	105	66	113	113	107	104	36	92	97	69	62	73	55	14
15:30	98	112	112	5	12	105	57	57	57	57	15	12	17	62	87	91	85	73	50	76	76	71	70	27	60	63	31	41	45	39	8
16:00	73	72	72	16	6	64	35	35	35	35	8	13	16	38	46	55	51	46	44	44	45	42	38	18	34	36	12	20	16	11	4
16:30	36	41	41	17	5	57	19	19	19	19	4	10	6	19	24	28	26	23	22	21	21	19	16	12	15	17	8	5	8	3	2
17:00	18	19	19	13	2	15	7	7	7	7	1	4	2	8	7	10	9	8	7	7	7	7	4	4	5	4	4	2	3	0	0
17:30	6	6	6	3	0	5	2	2	2	2	0	1	1	1	1	2	2	2	1	2	2	1	1	1	1	1	0	0	0	0	0
18:00	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.95 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN NOVEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	1	1	0	1	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	5	3	1	5	1	4	4	5	2	1	3	3	0	2	3	2	3	1	1	2	2	2	0	1	1	0	0	1	0	0
08:30	12	8	3	14	3	14	15	16	9	3	10	9	2	5	9	4	8	3	3	6	7	7	1	6	5	4	5	4	1	2
09:00	19	16	11	30	4	30	31	34	16	8	23	20	2	13	22	12	21	6	6	9	19	20	2	14	15	11	13	10	4	6
09:30	29	30	22	52	6	53	55	62	25	9	37	36	7	27	40	19	39	11	12	20	35	38	6	27	29	18	25	22	10	11
10:00	41	36	34	79	21	81	82	94	45	15	62	52	12	47	64	29	60	18	15	35	58	60	8	44	48	28	41	34	27	21
10:30	53	40	72	77	33	112	113	127	43	18	88	58	22	62	93	25	83	25	31	60	81	85	13	62	71	61	60	49	37	25
11:00	68	43	68	81	42	139	140	156	59	25	106	38	36	74	123	45	107	32	92	81	105	110	13	81	92	84	78	65	40	33
11:30	83	59	86	119	53	160	164	179	87	29	123	55	40	93	147	47	127	35	118	100	130	131	22	96	110	100	96	82	45	39
12:00	146	68	120	161	31	177	182	195	85	21	138	34	47	71	152	86	140	43	128	107	144	147	15	106	125	104	106	92	34	38
12:30	120	63	68	175	62	180	187	201	80	19	142	44	43	70	152	84	145	44	135	95	145	153	25	111	127	90	111	96	37	32
13:00	197	79	51	171	59	175	182	195	73	17	139	47	46	55	142	69	142	49	118	111	146	149	20	109	123	91	110	98	28	32
13:30	158	96	59	155	62	160	168	180	48	18	126	28	56	60	126	82	132	45	88	103	111	136	21	100	109	54	100	82	25	35
14:00	129	103	47	134	34	139	145	155	21	14	106	29	52	40	106	94	112	40	53	90	111	117	14	86	97	27	85	72	27	33
14:30	114	104	29	108	35	110	117	126	23	15	84	22	40	45	84	82	88	34	42	72	70	94	8	67	78	19	68	55	19	33
15:00	104	86	44	81	31	80	87	94	17	9	54	17	27	44	60	60	65	34	46	52	62	69	6	47	55	15	49	39	14	21
15:30	72	59	42	54	23	55	59	63	13	7	40	10	11	23	39	40	42	27	34	34	40	45	5	30	33	9	31	25	12	11
16:00	43	39	18	32	15	31	35	37	9	4	21	8	8	14	22	21	23	18	19	18	22	25	3	16	16	5	17	13	6	5
16:30	22	19	6	16	8	16	17	17	4	1	11	5	3	6	10	9	11	8	9	8	9	10	1	5	7	2	7	5	1	3
17:00	8	6	2	5	2	5	5	6	1	1	3	1	1	2	2	2	3	2	2	2	2	3	0	1	2	1	2	2	1	0
17:30	1	2	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.96 UV DATA BASE - 1974 DES MOINES, IOWA

COUNTS BY TIME OF DAY FOR EACH DAY IN DECEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	3	3	2	2	4	1	1	3	3	3	2	2	1	1	1	1	1	1	2	1	1	2	1	1	1	2	1	2	1	2	1
08:30	8	10	5	8	12	3	6	8	9	10	8	5	4	4	1	1	3	6	6	3	5	5	4	3	3	5	1	7	2	4	1
09:00	17	22	9	16	27	8	17	17	20	21	16	13	5	10	4	4	8	9	14	8	10	11	11	8	8	12	5	16	3	11	5
09:30	33	39	16	30	44	8	35	29	36	38	25	25	10	16	11	11	11	20	25	18	20	20	25	14	21	27	11	29	8	25	12
10:00	51	60	25	48	66	8	53	42	52	57	44	41	21	22	20	16	15	30	41	34	32	33	45	24	33	40	21	46	10	44	26
10:30	63	83	33	72	88	15	67	58	70	76	67	59	36	38	25	19	27	32	55	50	43	62	69	35	46	60	18	65	13	63	31
11:00	80	101	44	92	107	19	89	70	85	92	90	66	52	33	25	25	31	41	69	54	52	74	86	46	58	79	27	81	31	81	34
11:30	97	113	53	107	119	21	117	78	97	104	91	88	52	26	25	28	34	45	77	69	59	95	93	56	69	89	40	95	49	96	44
12:00	115	119	64	115	125	18	119	81	104	108	85	94	54	25	18	24	30	36	84	66	62	101	83	69	76	93	36	100	61	97	52
12:30	103	117	74	112	123	15	118	79	105	106	106	92	46	26	13	24	35	32	86	51	63	100	83	75	75	83	41	102	42	78	48
13:00	93	108	81	106	111	17	107	73	97	97	93	85	35	23	13	23	33	26	80	46	60	93	80	68	71	62	34	95	38	73	50
13:30	73	92	75	94	93	16	90	63	81	83	70	71	32	18	23	18	45	34	69	40	61	80	71	52	64	47	21	85	42	69	65
14:00	59	74	62	77	73	13	70	48	65	67	52	57	29	7	14	12	38	30	57	32	49	63	57	36	52	35	18	68	43	47	65
14:30	42	52	47	56	51	11	50	35	48	48	36	41	23	4	12	9	27	17	42	22	34	45	40	28	38	27	10	50	40	39	49
15:00	26	32	29	35	32	11	23	22	31	31	24	22	17	3	8	7	21	11	28	14	24	29	26	21	25	17	8	33	28	28	33
15:30	15	16	15	18	17	6	8	12	16	17	14	10	11	2	5	3	12	7	13	7	13	16	15	11	15	8	7	18	17	17	18
16:00	6	7	7	7	7	2	2	4	6	7	6	4	3	1	2	2	5	3	5	4	5	6	6	4	6	3	2	7	8	6	8
16:30	2	2	1	2	2	0	0	1	2	2	2	0	0	0	0	0	1	1	2	0	2	2	1	2	2	1	1	3	2	2	3
17:00	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

MINNEAPOLIS

TABLE A.97 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN JANUARY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	0	0	1	0	0	0	0	0	0	1	1	0	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	1	1
08:30	1	1	1	1	1	2	2	2	2	1	1	1	2	3	3	3	3	0	1	1	1	2	2	4	5	5	2	3	3	3	3
09:00	4	4	4	5	4	5	5	3	4	3	5	5	5	8	8	11	10	4	3	2	6	4	8	8	12	13	5	10	7	9	8
09:30	9	9	8	10	8	11	11	7	8	8	9	10	13	18	19	25	21	8	7	5	11	9	17	18	26	27	12	21	15	17	15
10:00	16	18	15	19	16	18	19	12	15	12	15	20	24	33	32	41	36	10	12	8	17	20	30	31	43	51	22	37	22	38	26
10:30	25	27	24	27	25	27	29	19	23	18	22	33	35	52	49	60	53	11	17	11	29	31	47	48	60	68	33	52	28	51	39
11:00	34	37	33	38	37	36	38	28	31	25	30	45	50	74	65	72	53	14	23	16	29	40	56	66	74	77	40	71	39	68	54
11:30	43	46	44	48	48	43	49	32	36	30	37	59	64	93	83	86	57	18	29	19	47	48	68	82	93	100	52	90	58	79	70
12:00	52	51	52	55	56	49	55	32	42	38	37	67	75	107	96	98	64	23	29	20	48	47	84	88	111	115	66	99	64	77	85
12:30	54	53	56	56	60	51	60	34	43	44	37	69	86	109	106	104	59	24	29	23	42	50	89	73	101	127	82	105	74	84	95
13:00	52	53	54	56	59	49	59	32	51	45	40	68	84	107	107	102	46	22	29	28	44	61	90	62	82	110	84	108	81	89	96
13:30	48	47	49	51	51	44	51	24	51	41	41	64	67	97	93	101	39	22	23	30	37	72	84	68	92	100	78	100	89	77	93
14:00	39	38	41	41	42	37	43	22	44	35	34	51	57	83	78	74	28	22	19	32	31	61	74	54	71	82	67	86	83	67	82
14:30	30	30	32	30	32	28	32	20	31	26	28	37	46	63	58	66	21	21	12	25	27	49	58	53	62	67	55	70	66	54	66
15:00	20	20	21	22	22	20	23	12	22	18	18	30	34	44	39	38	14	16	9	24	29	39	41	32	46	49	41	47	50	39	50
15:30	12	12	13	13	13	11	12	8	13	11	12	17	18	28	24	25	8	12	6	15	23	24	27	18	33	24	28	32	33	24	33
16:00	6	6	6	7	6	6	6	3	7	6	6	9	8	14	12	14	5	7	2	7	8	14	15	10	18	14	15	19	19	14	18
16:30	2	2	2	2	3	3	3	2	2	2	3	3	4	6	5	6	2	2	2	3	3	6	6	5	8	6	8	8	10	6	9
17:00	0	1	0	1	0	0	0	0	1	0	0	1	0	1	1	1	0	1	0	1	1	2	3	2	3	2	2	3	3	2	3
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.98 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN FEBRUARY

TIME	DAY 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	1	0	0	0	0	0	0	1	0	1	1	0	1	1	1	0	0	1	1	1	1	1	2	1	2	1	1
08:00	1	0	1	1	2	1	1	1	1	2	2	1	1	2	1	3	3	2	3	3	3	5	5	4	5	6	3	2
08:30	2	3	4	3	4	5	4	4	5	3	9	5	4	7	4	11	6	7	11	8	5	12	12	13	12	14	6	5
09:00	7	8	10	7	10	12	10	10	12	17	20	11	9	15	10	23	11	17	22	18	10	24	24	24	25	25	14	13
09:30	13	18	18	13	18	23	21	19	25	30	37	22	14	26	17	45	18	28	40	34	10	41	40	41	45	47	23	28
10:00	24	26	30	22	29	37	36	34	44	46	60	32	22	46	26	69	32	36	61	57	13	64	60	61	68	71	31	37
10:30	30	44	45	36	39	55	53	49	71	63	86	44	31	68	33	98	52	46	87	90	21	88	84	86	96	99	41	44
11:00	42	54	59	57	46	76	73	65	97	80	112	57	44	87	47	127	77	98	112	120	26	114	106	111	125	127	56	48
11:30	59	69	72	69	55	87	90	80	122	95	136	66	48	109	64	153	96	132	131	149	36	134	126	131	146	136	80	63
12:00	68	73	82	69	67	91	103	100	138	108	155	75	45	114	80	170	119	146	150	154	47	148	137	146	162	144	97	86
12:30	71	81	86	74	69	98	109	114	144	111	159	87	52	131	77	180	142	153	155	127	47	156	147	146	169	157	100	85
13:00	71	69	85	75	60	100	104	115	146	110	156	129	60	136	74	177	140	148	149	70	36	153	144	145	169	158	111	84
13:30	68	45	78	81	58	94	93	103	134	105	148	133	61	116	48	164	136	137	138	80	28	142	135	130	160	136	124	98
14:00	56	42	69	73	58	81	78	86	115	98	130	128	53	108	39	147	110	124	134	66	22	125	119	117	144	118	95	95
14:30	47	44	54	52	54	63	63	70	90	80	108	113	43	93	39	124	105	103	114	42	23	104	99	103	120	94	70	91
15:00	36	31	41	42	41	51	51	56	62	61	82	88	35	72	35	96	86	80	86	22	29	80	77	81	95	88	49	81
15:30	25	23	27	27	28	35	35	38	46	42	58	61	26	50	23	67	59	58	60	16	21	58	55	58	67	65	26	64
16:00	14	13	17	15	17	22	22	22	30	26	35	39	18	30	17	41	37	37	40	12	18	38	35	38	44	45	16	41
16:30	7	6	8	7	8	11	11	10	15	14	18	19	10	16	9	23	20	21	22	8	10	21	20	22	26	23	20	22
17:00	2	2	3	2	3	4	4	4	4	6	8	8	4	7	4	10	8	9	10	4	4	10	9	10	12	11	10	11
17:30	0	0	1	0	0	1	1	1	1	1	2	3	2	2	1	3	3	3	3	2	2	3	4	4	4	5	4	4
18:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	0	1	1	1	1	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

--- INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.99 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN MARCH

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	1	1
07:00	0	0	0	0	1	1	1	0	1	1	1	1	1	0	0	1	2	2	2	1	2	1	2	2	4	5	2	2	1	4	5
07:30	2	1	3	2	3	3	4	2	3	5	4	5	6	0	1	5	7	6	8	3	8	3	7	6	11	15	7	4	2	11	14
08:00	5	4	6	6	10	9	12	4	5	14	13	15	14	3	6	9	15	14	18	9	17	8	15	15	27	32	15	6	4	24	31
08:30	12	9	8	14	22	20	27	6	14	30	28	31	28	4	7	18	32	22	35	22	33	13	29	28	39	56	30	7	7	38	44
09:00	27	17	17	22	41	46	48	6	31	56	41	52	48	8	15	27	55	29	59	40	39	24	47	47	60	87	44	13	10	56	45
09:30	29	27	44	33	65	63	77	8	57	83	53	76	74	15	19	32	91	32	90	54	53	48	66	70	97	135	57	24	13	75	55
10:00	42	41	49	40	94	75	92	15	63	117	75	107	110	24	39	56	135	30	124	91	88	67	89	98	102	187	80	34	14	102	42
10:30	59	54	91	46	123	90	122	18	57	149	109	150	138	39	46	96	167	29	156	100	124	112	112	126	156	243	98	44	16	146	37
11:00	49	61	130	107	154	104	153	25	65	188	116	189	170	27	36	149	192	40	184	99	165	94	125	154	204	291	126	41	9	166	37
11:30	41	62	99	140	180	127	126	23	85	227	123	213	197	51	50	172	197	50	214	104	188	144	145	180	215	328	120	45	16	154	48
12:00	44	68	186	163	178	210	203	21	203	245	151	221	216	62	72	180	211	41	229	117	204	213	155	197	244	346	143	56	45	146	49
12:30	100	84	200	172	170	211	227	25	217	244	138	221	227	72	86	186	200	41	241	144	213	217	126	196	248	340	181	47	54	139	53
13:00	172	114	193	170	170	241	223	26	228	248	98	214	226	92	67	189	230	90	234	145	210	194	141	197	245	291	197	35	41	145	59
13:30	169	162	180	154	150	229	204	36	221	235	70	212	213	73	92	183	217	67	220	129	190	165	148	158	211	258	155	42	47	160	51
14:00	151	131	158	132	162	214	186	42	199	219	52	174	191	120	72	159	135	115	198	141	164	140	136	141	160	199	149	39	29	213	63
14:30	124	117	130	117	151	156	145	48	170	180	39	139	165	141	89	132	104	123	170	121	143	145	97	123	134	165	154	31	26	120	56
15:00	97	72	105	96	114	100	123	44	137	149	41	113	138	119	72	90	97	112	138	92	119	61	73	84	94	133	144	26	25	116	44
15:30	71	54	78	70	83	88	96	29	103	111	39	95	105	94	78	75	58	60	101	75	86	70	67	68	57	104	122	20	16	113	40
16:00	46	48	53	46	56	62	63	17	70	78	26	50	71	54	48	52	40	68	70	51	60	55	51	55	39	66	83	15	7	81	23
16:30	28	32	31	28	36	34	37	12	43	48	15	38	45	29	27	33	21	39	40	33	37	35	28	32	24	33	38	11	4	59	9
17:00	13	17	15	15	18	15	19	5	22	25	6	17	22	12	13	18	10	24	22	19	21	21	16	18	13	18	16	5	2	36	4
17:30	5	6	6	6	5	6	7	2	10	11	3	8	9	3	5	8	6	10	10	9	10	10	8	10	6	8	8	2	2	19	2
18:00	1	1	2	1	2	2	2	1	2	3	0	2	3	1	2	3	1	4	4	3	4	4	3	3	3	3	3	1	0	7	1
18:30	1	0	0	0	0	1	1	0	0	0	1	1	1	0	1	1	1	0	0	1	1	1	0	0	0	1	2	1	1	2	1
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.100 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN APRIL

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	1	1	0
06:00	0	0	0	0	0	0	1	1	1	1	0	1	0	0	2	2	2	1	2	2	1	1	3	3	4	4	4	5	5	3
06:30	1	2	1	3	3	3	3	3	3	3	2	3	1	2	5	6	8	7	8	7	7	3	5	11	11	13	14	12	16	9
07:00	1	7	1	9	10	11	10	10	12	11	7	11	2	5	15	17	19	18	20	20	14	8	10	25	27	31	33	29	34	24
07:30	1	19	2	20	23	23	25	23	26	23	17	7	9	8	32	36	41	35	43	42	19	15	22	51	52	57	56	53	60	50
08:00	4	35	3	39	44	47	48	44	50	37	30	13	15	12	54	64	71	62	74	64	15	32	40	85	86	94	93	86	77	84
08:30	9	53	5	72	75	79	77	71	83	74	37	30	24	17	88	101	112	99	115	80	13	50	81	129	131	140	137	107	136	128
09:00	40	77	6	123	115	127	117	106	117	108	31	28	62	29	132	150	161	145	164	124	63	46	124	185	187	196	188	86	149	175
09:30	14	121	10	175	160	161	159	148	162	117	44	20	68	34	170	207	214	198	220	125	84	60	204	239	243	257	246	185	250	229
10:00	18	144	8	218	211	173	207	179	202	137	44	29	33	53	219	261	270	250	272	142	39	64	261	303	292	316	304	284	324	285
10:30	18	175	12	245	263	207	252	209	249	188	46	47	57	79	269	310	318	299	328	148	77	54	305	364	338	376	389	237	381	333
11:00	34	189	15	297	309	241	291	241	297	240	43	97	58	99	313	355	364	339	372	134	67	83	354	414	368	413	434	349	432	378
11:30	52	176	21	353	344	267	320	231	340	277	27	193	89	221	317	386	396	374	409	82	94	90	389	436	403	453	465	222	462	409
12:00	61	146	22	381	362	327	338	192	361	291	36	164	201	316	345	408	413	397	432	148	114	73	409	416	432	390	476	181	469	426
12:30	65	138	29	398	366	308	345	217	356	320	22	100	170	230	326	419	422	405	440	106	100	93	420	423	446	371	480	119	494	414
13:00	43	217	28	378	358	274	341	205	345	231	19	12	110	258	358	406	360	400	431	260	63	108	416	391	443	399	383	161	334	372
13:30	39	184	30	331	336	216	322	204	318	143	30	19	57	240	322	382	329	377	405	228	104	96	398	370	418	268	199	218	287	239
14:00	45	223	23	293	300	169	291	151	287	131	24	33	44	240	278	351	328	343	369	197	79	102	365	328	269	116	129	283	309	311
14:30	39	217	21	253	256	185	252	120	238	112	36	64	18	209	232	307	232	300	322	200	86	96	322	256	329	90	93	239	309	204
15:00	23	127	21	210	212	148	206	71	186	71	11	44	24	142	187	255	137	251	267	168	72	84	270	183	276	208	84	229	177	186
15:30	25	85	19	166	162	101	160	46	156	74	9	28	17	77	139	201	152	201	211	143	53	70	216	172	216	211	42	251	121	170
16:00	17	65	12	127	116	80	116	31	117	69	7	30	18	53	111	148	143	148	156	56	34	58	161	97	159	131	39	145	127	130
16:30	13	53	12	84	76	58	77	28	80	41	6	11	13	45	80	101	86	102	108	24	28	34	112	71	106	102	61	107	131	83
17:00	10	27	10	49	46	36	44	15	48	31	2	7	12	32	46	64	61	65	70	36	12	22	73	47	62	57	59	97	63	75
17:30	6	11	5	24	25	19	24	8	26	16	2	10	10	18	26	35	36	37	39	8	8	9	42	39	34	28	33	56	41	43
18:00	3	3	2	10	10	6	9	4	11	6	1	7	4	10	13	17	17	17	19	6	7	5	22	18	18	21	26	30	23	24
18:30	0	1	1	3	3	2	3	2	4	3	0	3	1	4	5	6	6	7	7	2	2	2	8	6	8	8	12	12	11	5
19:00	1	0	0	0	1	0	1	0	1	1	0	1	1	1	1	1	1	1	2	0	0	0	2	1	3	2	3	3	3	1
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.101 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN MAY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
05:00	0	0	0	0	1	0	0	0	0	0	1	0	0	1	1	0	1	0	0	1	1	1	1	1	0	1	1	1	1	0	0
05:30	1	2	1	1	1	2	2	1	0	0	0	2	0	0	2	2	3	2	1	1	5	3	4	2	2	4	3	4	5	2	4
06:00	5	5	5	6	6	6	5	3	1	2	3	7	0	2	8	8	12	5	4	4	13	12	12	5	4	11	10	8	11	3	13
06:30	17	16	14	14	15	16	11	6	3	3	13	15	1	7	20	10	29	15	9	10	31	28	26	10	22	28	15	21	27	6	31
07:00	33	34	29	29	34	33	26	11	5	8	10	31	1	11	40	21	54	18	20	27	61	52	48	26	43	56	26	21	56	9	60
07:30	51	63	52	52	61	61	42	19	16	23	12	47	13	19	60	43	84	26	34	23	104	72	65	47	71	89	82	28	97	23	97
08:00	85	95	86	90	99	93	57	42	21	34	20	53	27	35	96	74	135	44	49	30	107	72	53	58	121	135	142	54	125	36	146
08:30	73	142	129	137	144	132	63	46	25	31	44	64	31	98	154	93	192	41	55	47	91	133	112	57	170	185	151	99	182	62	204
09:00	58	195	180	125	198	184	94	50	33	35	30	77	54	93	219	128	224	52	81	60	133	81	113	68	204	247	177	160	266	67	270
09:30	97	255	237	129	260	242	125	62	48	31	30	92	42	71	222	195	275	61	127	69	138	256	173	135	299	316	226	258	341	131	341
10:00	140	318	294	113	308	299	145	106	63	27	25	143	31	86	264	304	310	54	157	98	146	336	173	199	279	384	395	379	417	228	408
10:30	160	270	345	213	321	347	155	103	78	69	107	221	38	176	370	393	351	80	170	116	136	401	168	188	352	430	401	317	472	363	470
11:00	324	306	386	110	355	393	146	114	48	68	177	251	62	138	431	283	443	119	324	115	233	497	295	185	383	431	440	202	520	402	531
11:30	350	456	428	83	257	427	118	121	61	53	151	304	73	103	464	250	402	141	464	131	448	536	208	212	449	505	438	171	528	498	541
12:00	368	444	450	144	372	452	110	157	45	119	241	155	102	69	505	381	547	322	490	195	477	528	233	212	388	386	507	156	575	480	587
12:30	407	297	428	94	334	456	82	177	74	211	308	163	125	77	502	340	561	251	559	300	616	534	192	228	253	366	570	129	570	345	560
13:00	395	249	354	178	312	447	68	322	75	150	311	325	97	71	472	283	549	195	563	285	240	545	144	250	361	475	434	192	555	265	567
13:30	400	246	351	280	346	419	69	186	55	100	293	334	69	73	377	278	452	250	430	398	99	498	210	215	344	332	377	145	484	187	477
14:00	401	192	278	357	365	391	66	203	47	80	257	366	72	109	331	189	465	192	381	501	197	449	169	272	407	382	424	264	391	158	455
14:30	363	80	287	258	291	346	71	183	54	108	237	256	51	220	281	424	428	151	398	463	320	351	80	213	353	367	308	217	365	249	456
15:00	320	31	263	201	253	291	79	138	56	116	270	273	40	239	213	360	357	75	336	345	407	338	83	181	340	326	303	173	338	34	393
15:30	225	46	229	118	218	232	62	177	41	63	211	252	27	92	160	295	290	91	295	261	231	201	105	174	270	263	205	241	308	7	308
16:00	162	114	169	98	175	174	53	101	30	36	107	190	20	40	81	235	219	74	166	204	82	138	70	145	210	207	165	235	257	8	198
16:30	130	84	120	64	126	127	32	132	24	31	27	128	17	24	51	174	119	47	145	145	27	127	46	109	122	133	64	158	200	18	185
17:00	80	39	75	30	77	85	17	64	15	11	38	98	15	18	45	120	98	31	98	106	15	105	49	88	99	112	54	113	141	4	139
17:30	41	18	44	12	48	50	11	42	10	7	41	64	11	28	14	77	58	20	76	64	17	58	44	66	68	78	33	85	93	3	91
18:00	24	14	24	8	26	26	7	24	5	2	25	37	5	23	9	43	42	11	42	48	22	37	34	37	39	46	15	45	52	6	51
18:30	10	3	11	6	11	12	3	12	2	3	11	18	2	12	4	21	16	6	18	24	17	21	18	20	21	23	4	18	27	6	13
19:00	3	1	3	2	4	4	1	4	0	1	2	6	0	4	1	8	4	4	7	10	8	9	6	8	9	9	2	8	12	4	5
19:30	1	0	1	0	1	1	1	1	1	0	0	2	0	0	1	2	1	2	2	2	3	2	2	3	2	2	1	2	4	1	1
20:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	1	1	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.102 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN JUNE

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	1	0	1	0	0	0	1	0	0	0	1	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0
05:00	2	1	1	0	2	1	1	1	0	1	2	1	1	1	2	1	1	1	2	2	1	2	1	2	2	2	2	2	2	1
05:30	5	4	1	2	5	4	2	6	2	1	6	5	6	5	5	5	6	5	6	7	5	6	7	5	6	6	7	6	4	6
06:00	13	12	2	3	16	7	9	15	3	4	14	14	16	7	15	10	14	14	15	18	15	17	16	15	17	19	19	16	11	16
06:30	15	26	13	4	32	7	18	34	7	8	31	29	34	26	31	27	27	34	31	38	37	34	35	34	35	39	39	36	22	34
07:00	16	51	44	6	60	8	24	62	12	18	53	51	60	57	39	48	54	67	50	66	68	63	63	57	62	71	70	64	42	62
07:30	27	93	85	14	98	27	40	97	28	19	86	86	99	102	41	65	88	104	88	106	96	105	102	99	96	112	111	103	62	99
08:00	26	140	127	11	147	38	62	146	46	28	138	135	149	130	61	65	133	154	132	167	161	146	151	142	126	167	161	152	122	146
08:30	28	201	187	25	202	21	72	203	40	26	197	195	209	114	97	113	184	225	181	205	215	212	210	181	177	228	225	210	126	203
09:00	47	268	253	73	268	28	85	270	51	76	258	260	271	127	90	94	192	296	207	288	249	278	274	263	248	297	289	274	174	268
09:30	42	336	320	183	332	31	103	344	114	88	318	326	337	135	66	147	235	372	293	360	292	313	341	339	314	368	349	336	179	341
10:00	50	401	379	244	386	26	117	410	163	257	379	386	413	300	187	200	307	442	282	408	318	321	415	403	371	440	391	402	323	410
10:30	63	463	435	339	425	21	135	472	130	343	431	428	467	490	270	253	408	493	308	227	457	461	476	460	439	501	426	464	394	471
11:00	96	507	492	421	449	16	141	503	355	266	475	481	512	471	72	256	317	496	277	97	510	495	520	485	506	554	453	515	448	526
11:30	71	522	531	463	497	17	112	526	271	441	512	504	446	508	144	334	313	385	421	36	561	483	566	531	547	596	469	561	481	570
12:00	92	534	552	386	448	34	108	507	342	382	535	558	519	593	98	277	471	439	569	7	556	579	589	478	576	626	539	588	502	600
12:30	104	564	575	335	406	45	127	382	287	456	540	429	550	591	282	344	419	371	605	1	591	630	483	376	600	635	573	600	522	605
13:00	175	560	551	362	385	20	132	466	140	252	532	304	567	534	365	479	415	306	598	8	566	609	383	405	594	626	528	591	521	607
13:30	202	548	532	295	439	39	168	299	156	264	506	360	533	493	145	464	452	286	568	94	371	554	396	409	574	602	466	567	517	579
14:00	254	484	508	296	437	63	173	124	127	152	467	427	476	378	165	313	342	354	511	397	426	522	360	336	532	563	381	527	493	544
14:30	306	397	445	292	387	129	167	52	77	244	393	316	439	420	272	232	279	478	452	143	443	431	478	302	479	511	323	478	444	495
15:00	358	394	383	279	353	218	198	76	36	286	362	175	348	388	259	163	305	228	388	109	402	355	403	292	416	445	283	412	381	435
15:30	260	236	320	249	246	169	241	169	22	256	295	41	331	328	155	154	215	11	323	227	267	355	318	253	350	373	273	343	297	370
16:00	193	236	258	198	227	125	115	137	24	145	230	64	212	271	113	97	186	35	256	232	251	251	279	178	281	295	248	278	237	298
16:30	184	150	199	151	171	126	88	128	17	117	171	51	169	211	129	84	171	54	188	118	213	195	205	141	215	219	216	217	179	229
17:00	90	133	141	120	119	81	89	113	12	96	116	69	140	151	97	68	123	84	131	46	153	149	149	112	155	168	158	155	108	162
17:30	67	82	92	75	85	52	87	64	10	67	82	33	91	101	45	61	83	65	89	29	106	103	82	81	105	116	108	106	103	114
18:00	34	51	39	48	51	52	53	30	4	41	50	26	60	61	18	27	56	44	58	20	66	66	62	52	64	72	60	66	67	71
18:30	17	29	7	25	28	24	27	14	3	26	27	10	35	34	8	11	32	27	33	16	35	37	36	29	37	40	31	36	38	26
19:00	9	13	1	11	13	9	13	8	1	13	13	3	15	16	6	8	15	14	16	11	16	18	17	14	17	20	16	18	18	12
19:30	3	4	0	4	4	5	4	3	1	5	5	0	5	6	4	3	6	5	6	5	6	7	6	5	7	7	6	6	7	5
20:00	1	1	0	1	1	1	1	1	0	1	1	1	2	1	1	1	2	1	2	2	1	1	2	2	1	2	2	2	1	1
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.103 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN AUGUST

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	2	1	0	2	1	1	2	1	1	0	0	1	1	1	0	1	1	0	0	0	1	0	0	1	1	0	0	0	0	0	1
06:00	7	3	1	6	6	6	5	5	4	2	2	3	4	4	3	3	2	4	3	3	0	3	2	2	2	2	2	2	2	2	1
06:30	19	15	1	18	17	17	14	13	14	5	7	15	14	14	11	12	10	11	12	10	2	11	10	9	9	10	8	7	7	7	5
07:00	42	29	4	38	37	37	31	29	30	12	13	29	35	33	26	27	19	30	30	24	5	27	26	23	24	25	22	22	21	14	17
07:30	74	51	7	70	70	67	58	52	56	27	19	58	66	62	52	48	30	54	58	57	14	54	52	44	50	49	48	46	42	29	39
08:00	115	96	11	111	114	109	96	86	91	52	45	87	101	101	96	85	66	100	98	99	23	93	88	87	87	87	87	83	75	68	70
08:30	175	156	15	165	169	163	141	126	124	48	83	112	144	151	136	136	137	147	149	118	13	142	134	136	138	136	137	129	115	123	103
09:00	240	159	18	228	234	223	194	173	161	50	62	123	218	199	176	187	197	195	210	189	11	200	183	192	161	196	192	182	166	142	138
09:30	302	223	90	297	299	287	243	221	227	43	84	276	275	267	212	216	261	264	272	266	40	234	241	242	218	257	246	248	222	203	193
10:00	363	273	71	364	368	342	304	266	283	42	112	356	339	340	237	253	311	270	333	325	63	222	264	291	309	318	315	313	278	236	259
10:30	420	146	65	425	426	405	357	298	307	40	108	387	394	375	266	314	332	325	392	384	227	175	328	328	375	382	372	345	326	239	324
11:00	224	147	88	481	477	452	393	345	331	52	170	427	411	443	199	391	407	327	442	434	279	209	411	339	418	433	385	363	359	241	313
11:30	441	213	72	526	512	516	427	350	358	64	207	490	404	480	189	442	470	305	481	480	392	254	439	428	462	473	468	258	362	177	386
12:00	545	264	70	526	487	505	459	353	401	99	121	532	461	495	241	471	472	277	503	504	471	240	431	496	485	497	481	283	369	116	392
12:30	566	261	62	472	460	515	361	363	391	179	178	549	463	509	197	504	462	466	517	504	404	211	496	446	493	501	497	203	323	113	378
13:00	497	255	63	500	584	518	320	375	292	269	189	548	359	448	417	507	483	501	508	510	448	364	471	459	471	488	492	129	324	49	287
13:30	496	79	65	485	439	435	340	271	232	208	441	521	402	439	409	484	455	451	484	486	454	347	435	468	453	456	429	213	354	43	408
14:00	504	56	75	341	383	457	353	389	257	266	411	479	422	405	437	442	410	436	445	449	361	319	414	429	381	420	423	298	238	48	319
14:30	391	44	71	275	405	414	345	255	166	217	254	380	378	387	371	391	371	281	397	381	307	276	368	381	256	342	364	218	282	79	324
15:00	321	64	46	320	349	361	276	207	148	174	211	327	320	319	252	334	326	329	341	310	203	284	316	320	204	311	304	205	246	55	260
15:30	268	82	48	206	233	292	202	113	88	159	195	272	266	251	225	275	263	263	260	283	88	252	254	257	213	204	248	150	169	32	208
16:00	214	57	46	158	102	225	157	157	38	97	95	205	203	160	182	210	205	199	218	211	50	205	197	195	154	140	174	134	131	38	91
16:30	184	26	42	157	45	166	141	124	3	69	71	133	158	137	134	151	149	151	152	138	104	134	140	139	106	103	121	80	89	36	86
17:00	128	19	32	103	28	117	101	82	9	34	104	97	110	99	85	101	100	102	102	87	82	81	91	90	66	67	75	56	66	28	61
17:30	44	11	21	83	42	75	63	50	8	39	67	72	69	70	35	61	60	62	61	48	50	48	53	53	27	46	46	25	37	24	36
18:00	7	6	10	47	32	42	35	26	12	18	38	39	34	35	22	33	32	33	27	28	26	26	27	27	9	20	22	14	17	13	16
18:30	5	4	4	23	18	21	18	14	5	12	17	18	17	16	10	14	13	14	12	11	10	10	10	10	5	6	8	4	6	5	11
19:00	5	1	1	9	8	7	6	6	2	6	6	6	5	5	3	5	4	4	3	3	3	2	2	2	2	2	2	1	1	1	4
19:30	3	0	1	2	2	2	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
20:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.104 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN JULY

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	1	0	1	2	1	1	1	0	1	1	0	1	1	1	0	0	1	1	1	0	1	0	1	1	1	1	0	0	0	0
05:30	7	3	1	5	5	2	6	6	3	3	3	0	4	3	5	4	2	1	3	3	2	1	3	1	2	2	2	2	2	2	2
06:00	17	7	1	14	17	9	16	18	9	11	7	2	14	11	14	12	5	6	13	11	5	7	11	5	8	7	9	6	8	7	7
06:30	37	18	15	30	36	23	35	39	16	30	24	9	31	16	33	27	20	18	31	27	14	15	24	18	20	15	21	16	20	19	20
07:00	69	46	52	54	68	47	66	68	18	46	36	13	58	39	61	45	16	44	59	51	26	27	48	39	44	19	45	34	38	40	43
07:30	110	79	98	91	109	91	108	108	38	66	55	38	97	77	103	68	6	36	101	85	47	53	84	59	68	46	81	38	55	68	76
08:00	163	140	162	136	164	120	161	160	105	64	99	67	146	126	155	97	5	41	144	128	109	87	126	57	100	100	116	64	107	108	122
08:30	225	192	225	195	224	172	223	227	167	121	207	120	210	153	217	131	10	58	199	182	151	135	168	84	128	175	132	82	110	159	177
09:00	293	270	295	261	294	221	287	300	106	136	223	186	278	200	289	163	93	141	276	248	191	240	243	114	144	262	136	184	153	214	239
09:30	358	352	362	329	367	335	364	363	230	174	291	127	344	278	366	207	265	72	334	311	243	309	316	102	280	330	316	210	187	278	311
10:00	430	349	433	397	439	416	431	440	308	155	371	64	408	384	437	268	305	51	402	371	344	378	387	81	353	386	383	357	225	279	284
10:30	222	272	494	455	498	482	496	505	385	134	230	35	447	441	502	424	443	99	456	430	403	455	437	145	291	453	468	437	264	313	367
11:00	89	405	551	502	546	529	553	560	537	217	261	32	474	519	519	521	448	104	509	486	453	497	485	233	293	509	516	498	376	340	472
11:30	329	509	597	547	591	566	579	597	548	362	281	52	528	553	598	578	384	57	532	523	480	539	545	477	212	551	556	541	406	426	463
12:00	111	547	620	580	616	592	590	632	622	246	256	170	598	589	607	618	460	75	560	521	501	571	508	333	298	586	583	570	456	412	539
12:30	42	562	541	576	627	602	623	647	628	300	286	70	601	625	511	631	599	90	567	571	521	585	534	306	356	601	597	583	495	348	481
13:00	109	539	550	533	623	596	589	640	585	331	225	110	588	629	543	629	586	108	546	571	467	576	363	309	454	600	588	578	296	540	470
13:30	106	503	574	507	597	576	589	616	438	279	190	193	573	610	529	584	564	94	500	539	122	546	400	373	557	579	566	548	506	508	510
14:00	241	374	542	446	559	533	561	574	386	247	177	129	534	569	461	506	528	218	446	513	150	505	407	271	459	538	531	514	388	481	453
14:30	317	330	496	366	507	481	494	519	377	397	145	94	484	516	515	501	475	225	406	433	78	463	342	387	452	489	479	456	359	378	392
15:00	431	265	436	347	444	420	390	466	363	309	168	55	428	455	451	369	419	168	334	330	134	414	233	382	324	426	419	404	350	390	364
15:30	361	244	357	303	374	357	354	379	320	280	82	188	359	382	375	291	351	119	265	333	99	341	136	274	315	354	350	329	278	282	296
16:00	292	241	248	205	299	288	301	307	219	244	92	103	282	308	293	184	282	83	192	266	35	264	62	205	270	284	279	269	241	217	238
16:30	223	174	142	201	230	220	233	233	153	152	98	112	173	236	228	149	223	42	147	201	25	197	13	161	204	215	211	200	136	131	183
17:00	163	133	135	160	170	161	173	176	127	126	128	177	142	171	163	75	157	35	111	139	97	149	2	88	147	153	150	142	103	90	130
17:30	110	90	105	115	116	111	119	119	110	91	62	113	111	115	112	59	108	26	84	101	57	104	1	62	98	102	99	93	76	72	86
18:00	67	59	63	72	73	69	76	76	51	59	30	70	68	71	70	46	67	19	55	62	33	62	0	43	59	60	59	54	48	45	48
18:30	34	33	35	39	40	39	43	42	23	32	18	38	38	38	37	34	37	12	32	34	22	34	1	22	31	32	31	28	24	23	26
19:00	18	15	17	19	20	19	20	18	7	7	5	18	15	19	18	15	16	7	15	15	9	15	0	8	13	14	13	10	10	10	11
19:30	7	6	6	7	7	7	8	6	3	4	3	6	4	6	6	5	6	4	5	5	2	5	1	3	4	4	4	3	3	2	2
20:00	1	1	1	2	2	2	2	1	0	1	0	1	1	1	1	2	1	1	1	1	1	0	0	0	1	0	1	1	1	1	1
20:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.105 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN SEPTEMBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	1	1	1	1	1	1	0	0	1	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0
06:30	5	5	5	5	5	3	1	4	1	1	0	1	2	3	3	3	3	3	2	2	1	1	1	1	1	1	1	0	1	1
07:00	14	11	16	15	15	12	2	15	5	7	4	3	9	11	11	11	12	11	7	7	8	7	6	8	8	8	7	2	5	5
07:30	26	11	36	34	36	26	7	30	17	12	13	6	24	29	29	29	30	31	17	21	16	18	16	21	22	24	21	5	13	15
08:00	55	26	66	62	65	46	14	46	14	22	16	12	51	55	55	58	59	61	24	45	29	39	33	43	46	50	45	15	28	32
08:30	109	33	108	103	104	74	29	67	34	35	38	12	88	92	93	96	99	103	33	79	45	72	63	75	79	87	78	24	58	57
09:00	156	55	157	151	153	48	45	99	17	49	62	30	131	139	139	144	147	152	82	116	58	113	90	112	120	133	119	41	85	90
09:30	209	63	207	206	208	24	78	116	14	61	71	45	178	191	193	198	199	204	105	160	66	159	136	151	171	186	164	60	76	126
10:00	250	136	261	262	264	25	133	192	23	65	43	48	230	248	241	251	254	247	87	207	128	204	151	175	220	235	213	32	171	166
10:30	266	278	313	316	312	112	117	312	46	81	92	82	195	302	293	302	305	315	87	251	152	247	208	212	263	281	246	61	173	205
11:00	328	254	369	361	357	204	165	317	65	95	161	82	142	347	336	346	349	359	150	289	165	280	268	203	293	322	256	73	110	238
11:30	313	261	394	397	385	226	190	389	81	89	173	68	96	382	372	378	383	393	148	317	123	305	270	201	324	346	240	74	252	262
12:00	278	342	424	416	411	200	245	416	81	122	317	88	114	408	388	397	407	411	166	331	91	317	287	303	343	358	182	80	280	275
12:30	261	370	429	419	417	214	265	427	67	125	241	63	112	416	391	406	400	418	203	306	57	322	290	321	355	356	197	68	231	279
13:00	249	256	417	408	410	254	321	423	24	107	119	69	139	423	383	394	352	402	179	255	122	315	274	308	295	339	199	75	157	274
13:30	241	206	392	384	382	148	347	398	31	265	83	88	173	323	360	369	279	373	182	300	104	295	261	283	205	309	155	81	203	248
14:00	221	251	354	349	341	94	344	358	29	249	174	73	195	258	321	331	316	331	231	216	71	262	241	231	233	270	125	96	201	213
14:30	175	256	308	302	294	103	305	310	66	264	187	57	172	227	276	282	282	279	225	166	90	222	211	159	227	225	116	54	174	178
15:00	134	221	256	250	242	79	254	255	26	214	101	65	151	227	222	227	225	222	196	144	81	176	167	139	187	180	129	55	123	106
15:30	91	169	200	196	187	42	197	199	18	147	22	80	148	142	168	173	155	169	135	129	66	130	122	100	132	135	99	36	96	36
16:00	56	112	148	145	137	24	149	145	10	113	22	37	112	106	119	122	108	119	74	90	44	89	83	90	87	94	57	49	62	33
16:30	27	50	101	98	92	18	100	80	10	59	12	36	73	79	75	79	75	76	49	56	34	54	52	56	59	59	28	34	29	21
17:00	15	25	61	61	52	13	61	50	7	39	4	14	42	46	43	45	41	43	32	31	26	29	27	29	26	30	12	12	16	10
17:30	14	27	32	32	24	5	31	30	3	22	3	4	19	22	21	21	18	18	15	13	10	12	10	11	11	11	3	6	7	4
18:00	7	13	14	14	11	2	13	11	3	5	0	2	7	7	6	6	6	6	4	4	3	3	3	3	2	3	1	1	1	0
18:30	3	4	4	4	2	0	3	3	0	1	1	0	2	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0	0	1
19:00	1	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.106 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN OCTOBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	1	0	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	4	3	4	3	3	1	2	3	4	3	2	1	1	0	1	2	2	2	1	1	2	1	1	0	1	1	1	1	0	0	0
07:30	13	9	14	12	8	6	7	11	12	12	10	3	2	3	8	8	9	6	4	7	6	4	4	3	5	4	4	2	0	1	2
08:00	27	24	30	25	14	7	22	27	29	30	22	9	6	4	18	22	23	16	9	18	17	13	13	10	14	15	15	12	1	6	6
08:30	34	48	56	48	32	15	48	53	55	56	48	20	13	10	33	44	45	32	15	36	35	31	29	23	31	33	32	24	5	11	4
09:00	77	81	88	79	52	42	77	86	89	89	80	39	20	20	64	73	75	57	38	63	60	51	54	48	51	56	56	50	12	26	4
09:30	93	117	124	119	51	31	110	124	124	128	106	96	24	40	95	108	109	82	63	94	89	80	83	79	77	86	85	64	13	18	16
10:00	122	155	162	141	80	39	149	165	169	169	154	145	42	68	112	147	143	112	87	127	119	98	112	108	105	118	111	81	38	27	62
10:30	131	192	198	182	84	30	170	201	211	207	153	179	35	40	136	184	177	134	110	160	148	128	140	136	133	150	146	99	32	45	79
11:00	134	225	157	222	117	70	203	230	236	240	213	208	40	39	158	215	209	158	150	187	172	147	170	159	159	175	171	110	44	60	117
11:30	192	247	104	208	116	68	207	255	264	258	241	229	44	53	179	238	193	165	166	207	193	166	191	177	164	194	149	61	62	67	59
12:00	201	258	106	200	88	43	246	254	281	268	185	239	46	48	167	248	187	171	189	217	191	184	202	187	180	201	192	109	69	112	41
12:30	115	260	163	178	95	39	220	270	284	269	202	236	49	84	168	246	134	168	195	217	180	173	205	190	185	201	145	120	48	91	64
13:00	169	249	182	161	161	48	237	249	272	247	183	223	64	132	146	236	99	166	166	205	193	172	192	180	177	189	124	110	39	91	71
13:30	144	228	177	136	181	58	169	200	247	238	160	201	67	47	142	208	72	146	174	185	175	157	172	158	157	170	159	27	22	85	66
14:00	139	197	132	81	120	49	182	163	214	204	194	172	84	68	108	175	90	124	126	158	149	127	143	132	135	141	133	32	32	27	25
14:30	72	163	91	69	74	40	130	105	176	167	160	140	83	56	74	143	41	96	115	125	119	91	115	105	110	111	109	21	37	20	20
15:00	71	125	97	52	16	30	100	94	134	128	118	105	89	51	41	105	20	73	91	92	88	79	85	77	81	81	60	10	45	17	19
15:30	51	89	87	28	12	25	75	39	95	81	81	72	64	33	32	72	18	49	60	61	59	53	56	51	53	53	25	9	20	12	9
16:00	21	59	57	14	3	18	40	22	60	56	50	44	40	16	24	45	13	29	35	34	34	31	31	29	31	28	12	4	9	7	6
16:30	16	33	32	2	3	14	27	13	33	29	26	23	21	10	12	22	9	16	17	16	16	15	15	13	13	13	4	5	5	6	3
17:00	10	16	15	2	3	5	12	6	13	12	11	9	8	4	4	8	1	6	6	5	5	4	4	3	3	3	2	0	0	1	5
17:30	3	4	4	0	1	2	4	2	4	3	2	2	2	1	1	2	1	2	1	1	1	1	1	1	1	1	0	1	1	1	0
18:00	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.107 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN NOVEMBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	4	2	3	2	2	3	3	4	1	1	2	1	1	1	1	1	1	0	0	0	1	1	0	1	0	0	0	0	1	0
08:00	11	5	8	4	5	6	11	10	3	1	8	3	3	4	6	4	4	2	0	3	4	4	3	3	3	2	3	2	1	1
08:30	24	10	18	7	9	17	23	24	12	3	17	9	7	9	13	11	13	5	2	4	11	12	7	8	8	4	8	5	4	3
09:00	27	18	28	9	17	34	41	43	24	5	31	13	8	20	26	17	27	11	4	10	22	22	19	17	17	8	18	10	8	5
09:30	59	35	40	17	28	58	63	67	31	9	48	14	6	31	41	24	43	17	6	9	37	40	25	27	28	18	30	20	22	11
10:00	92	48	70	23	39	80	87	90	26	15	66	19	8	38	58	34	62	23	9	13	52	57	30	40	41	25	44	30	30	17
10:30	108	79	106	35	36	101	107	112	22	16	82	33	16	49	76	36	79	28	17	21	69	73	37	52	55	22	59	42	37	24
11:00	102	130	70	28	50	118	126	132	21	15	96	52	16	51	90	33	93	31	20	26	82	88	67	63	65	19	68	49	51	29
11:30	66	145	46	42	50	130	138	146	25	19	105	48	16	53	99	40	106	31	30	19	96	99	86	68	73	11	70	41	57	27
12:00	44	158	43	29	71	133	142	152	18	20	108	38	23	43	101	36	114	29	26	19	97	102	70	72	75	9	82	23	60	42
12:30	101	144	45	21	81	130	138	146	18	24	104	25	25	57	97	31	103	25	23	17	88	102	79	67	71	17	75	17	62	48
13:00	105	118	37	33	71	120	127	136	23	39	95	26	24	40	82	27	88	21	26	38	74	91	54	62	61	11	67	22	52	40
13:30	105	114	41	48	60	102	111	117	21	25	79	24	23	25	72	21	85	14	19	31	70	78	41	53	58	16	57	21	47	36
14:00	85	93	32	27	54	82	88	94	14	11	54	17	22	21	50	17	63	13	18	32	48	63	29	40	41	13	37	17	36	29
14:30	66	69	23	13	48	61	65	70	11	8	44	15	14	14	35	13	46	10	17	22	35	44	12	30	30	8	28	10	25	21
15:00	49	46	15	9	35	40	43	45	8	6	26	7	11	11	24	11	29	8	9	15	23	29	6	18	19	9	15	6	15	13
15:30	30	26	8	5	19	23	24	25	4	5	9	4	7	4	14	6	16	4	4	10	12	14	2	9	10	5	6	3	7	8
16:00	14	13	4	2	7	10	10	10	4	1	3	2	3	2	6	2	6	1	2	5	4	6	1	4	4	1	3	2	3	2
16:30	5	4	2	2	3	3	3	3	0	1	1	1	0	1	1	1	1	0	0	1	1	1	0	0	0	1	1	0	1	1
17:00	1	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.108 UV DATA BASE - 1974 MINNEAPOLIS, MINNESOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN DECEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	1	1	1	1	2	1	1	2	1	2	2	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	0	1	0	0	1
08:30	6	3	1	5	6	4	5	4	5	5	4	3	0	0	1	2	3	2	2	2	1	2	3	2	2	4	3	4	3	3	3
09:00	13	5	3	9	13	10	11	9	12	12	11	7	2	2	1	5	8	4	4	6	4	5	9	5	6	9	8	11	8	6	8
09:30	23	9	4	18	22	18	21	17	20	23	19	13	2	3	4	10	16	6	9	9	8	9	16	7	14	18	16	20	17	13	17
10:00	30	13	8	36	35	24	37	24	33	36	31	20	6	6	7	13	25	7	19	13	16	14	26	12	23	30	25	33	30	23	29
10:30	43	21	16	50	45	33	50	34	43	49	43	26	13	8	4	23	35	7	25	20	24	15	36	15	35	41	28	47	42	36	42
11:00	57	23	12	62	54	42	65	43	55	62	55	29	15	9	5	38	44	10	38	25	29	22	47	20	44	51	28	60	54	48	54
11:30	64	28	24	71	59	47	73	48	64	70	66	42	17	16	6	44	47	11	49	28	34	26	55	23	55	64	36	71	64	57	63
12:00	69	38	19	75	63	48	76	50	69	74	69	40	15	23	6	48	43	16	51	29	31	41	60	24	63	72	47	76	68	63	72
12:30	69	49	25	73	60	53	74	51	67	75	69	42	17	18	9	40	38	16	55	26	23	39	59	25	63	66	55	78	69	64	74
13:00	62	55	20	66	57	54	41	46	62	68	64	37	18	18	12	37	33	18	58	31	31	35	55	17	59	52	53	71	65	61	63
13:30	53	34	13	54	47	43	22	38	53	58	55	35	14	13	8	34	32	14	48	28	30	40	47	15	52	47	51	63	52	53	53
14:00	42	23	9	43	37	26	17	30	40	45	42	30	9	10	5	29	24	15	38	19	20	31	37	10	42	38	42	49	44	43	43
14:30	29	14	7	30	25	16	7	20	28	32	29	18	7	5	5	17	17	11	25	14	14	22	26	9	29	25	27	34	31	30	30
15:00	18	8	5	17	16	9	6	13	18	20	18	10	3	4	2	11	10	6	15	8	9	11	17	7	18	13	11	22	20	20	20
15:30	8	4	2	9	8	4	3	7	9	10	9	4	2	2	2	5	5	3	8	3	4	5	8	4	10	8	6	11	10	11	10
16:00	4	2	0	3	2	2	1	2	3	3	3	2	0	1	0	2	1	1	3	2	2	2	4	1	3	3	2	4	5	4	3
16:30	0	0	1	1	1	0	0	1	1	1	1	0	0	0	1	0	1	1	0	0	0	0	0	0	1	1	0	1	1	1	1
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

BISMARCK

TABLE A.109 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN JANUARY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
08:30	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	2	2	2	2	2
09:00	3	2	3	2	3	3	2	2	2	2	3	3	5	5	5	5	5	5	6	3	5	3	4	4	2	1	4	3	8	6	6
09:30	6	5	7	4	7	6	5	7	5	6	8	9	13	13	13	16	11	11	15	5	11	6	7	7	5	5	10	8	18	11	12
10:00	13	11	13	10	14	12	8	13	11	12	15	17	25	24	25	33	24	21	27	7	19	12	11	10	11	7	21	14	32	21	25
10:30	21	18	21	15	24	19	12	21	18	19	25	26	40	36	39	49	40	33	48	13	31	16	10	14	16	11	31	18	46	31	36
11:00	28	30	30	22	32	28	18	29	27	30	39	38	56	54	55	71	57	48	73	18	41	25	21	17	23	14	32	23	52	45	53
11:30	36	39	39	28	41	37	27	38	34	37	48	52	69	67	72	93	79	61	84	24	51	35	28	34	27	21	58	32	50	50	66
12:00	41	44	44	30	49	42	34	45	39	43	50	58	87	73	72	86	92	73	70	26	65	51	27	46	31	23	59	48	43	43	84
12:30	45	43	48	32	53	44	36	49	45	50	54	67	89	74	91	92	94	80	73	28	69	58	41	58	29	30	47	57	38	50	92
13:00	48	45	46	35	51	44	33	50	48	51	54	68	99	79	86	113	88	85	91	26	62	67	43	82	27	35	49	52	35	55	91
13:30	42	44	42	37	46	40	29	48	46	45	51	59	95	71	81	114	79	81	82	33	55	53	40	94	41	35	58	50	35	54	88
14:00	34	40	35	33	38	33	23	41	35	37	43	50	80	65	72	102	71	72	68	28	45	49	29	83	34	37	61	44	37	44	73
14:30	26	32	27	26	28	28	19	32	26	28	36	41	58	50	66	65	63	58	51	25	36	41	34	68	26	31	56	36	38	33	58
15:00	17	21	18	18	20	20	16	23	18	20	26	32	42	33	50	45	43	39	36	16	24	30	25	54	28	27	45	22	21	31	42
15:30	11	11	11	11	12	12	10	13	12	12	15	19	27	22	29	30	29	26	22	7	16	20	14	33	24	22	30	16	12	16	27
16:00	5	5	5	5	6	6	6	7	6	6	9	10	15	10	16	16	15	13	12	5	8	11	8	19	11	13	16	11	8	10	14
16:30	2	2	2	3	2	3	2	2	2	3	3	4	6	3	6	6	6	5	5	2	3	6	5	8	6	7	8	4	4	5	6
17:00	0	1	1	0	0	0	1	1	1	0	1	1	1	1	2	2	1	2	2	1	1	2	2	2	2	2	2	2	1	1	2
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	1	1	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.110 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN FEBRUARY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0
08:00	0	1	0	0	1	1	1	0	2	1	1	1	1	1	2	2	2	2	1	2	2	1	2	2	2	3	3	4
08:30	2	2	2	3	2	2	3	2	4	3	6	3	2	5	7	4	7	7	5	5	4	3	7	6	5	9	9	10
09:00	7	6	5	7	7	8	7	7	13	8	16	8	8	12	17	16	16	15	15	13	6	6	16	14	17	21	18	21
09:30	15	12	12	15	15	18	17	17	30	16	31	18	15	24	34	33	28	27	29	24	10	11	29	28	36	42	30	38
10:00	28	23	23	25	27	30	32	23	53	28	53	31	26	40	55	56	49	49	48	41	15	18	46	48	57	66	55	55
10:30	43	43	42	38	40	48	49	36	78	45	76	62	41	51	79	82	67	80	71	47	29	25	66	69	77	84	84	68
11:00	55	63	58	45	53	69	67	50	102	63	105	94	58	68	100	110	84	112	93	65	44	34	90	101	91	100	103	86
11:30	77	79	70	58	66	96	80	59	118	87	134	120	63	87	120	136	122	132	118	60	49	44	110	129	112	150	128	96
12:00	90	95	83	64	82	110	95	70	148	117	153	116	74	105	131	157	131	153	135	41	63	57	125	144	145	173	144	134
12:30	99	100	89	64	93	113	106	85	150	124	160	111	61	125	145	174	156	159	142	33	69	73	136	147	177	168	141	132
13:00	87	99	87	73	93	121	107	92	132	120	154	101	60	136	145	181	146	129	128	35	51	86	137	110	159	174	151	151
13:30	77	92	82	86	91	115	91	90	122	118	146	92	59	132	140	170	139	126	115	35	49	94	130	102	128	148	124	127
14:00	69	80	73	78	83	104	84	34	139	115	124	86	61	122	127	152	123	101	103	39	47	86	119	90	116	150	98	115
14:30	46	65	54	71	69	87	65	38	120	104	106	69	63	91	107	128	100	114	65	40	41	84	99	88	99	136	73	105
15:00	36	48	41	54	53	60	50	41	93	78	83	49	40	77	85	99	68	75	57	22	34	57	77	67	85	111	54	87
15:30	22	33	29	34	37	42	32	18	69	54	58	36	35	61	60	72	47	48	36	17	29	44	57	49	68	81	61	63
16:00	16	20	18	20	23	25	18	22	35	34	36	23	22	37	40	49	26	30	26	11	23	32	37	35	49	52	38	40
16:30	6	10	9	11	11	13	10	12	17	18	20	14	13	18	22	26	14	16	15	10	13	17	21	22	30	33	23	24
17:00	2	3	4	4	5	5	5	4	6	7	8	6	6	7	10	11	6	9	7	5	6	7	11	12	13	14	12	14
17:30	1	1	1	1	1	2	1	1	1	2	2	2	1	3	3	3	3	3	3	1	2	2	4	5	5	5	4	5
18:00	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0	0	1	0	1	1	1	1	1	2	1	1	1
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.111 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN MARCH

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0
07:30	1	1	1	2	2	1	1	2	3	3	1	3	1	1	1	1	1	0	0	2	2	2	2	1	1	2	2	2	4	4	1
08:00	4	5	2	5	7	3	4	6	8	9	5	8	4	4	3	4	4	2	4	5	5	5	4	6	4	6	7	3	12	8	2
08:30	12	12	4	12	17	7	7	13	19	19	11	18	6	11	9	13	10	3	8	14	13	11	11	14	9	12	15	7	25	16	2
09:00	25	25	11	24	33	16	17	27	33	38	20	33	10	22	20	26	20	6	16	26	23	22	18	26	22	16	27	13	46	29	5
09:30	42	44	18	42	55	31	29	35	57	59	27	55	14	39	32	46	32	10	28	46	39	37	36	47	32	22	42	17	74	50	15
10:00	67	68	51	61	69	40	52	46	84	88	38	85	16	56	65	75	48	18	41	70	53	52	58	72	52	30	61	30	104	83	35
10:30	95	81	61	85	91	40	77	52	111	119	62	110	39	59	73	104	40	40	48	97	76	74	79	100	75	38	91	45	143	125	33
11:00	117	91	87	109	95	47	92	60	140	149	83	139	46	62	83	133	32	70	76	128	108	102	91	132	77	59	102	49	180	174	32
11:30	137	63	101	133	106	102	94	68	160	175	82	174	42	86	128	159	46	110	98	157	137	118	98	159	92	85	102	49	213	234	48
12:00	153	39	112	148	177	137	105	78	187	194	81	230	37	67	117	187	101	118	82	183	158	130	98	168	100	150	134	65	235	270	56
12:30	122	55	134	158	189	150	92	85	205	210	94	217	43	66	104	212	128	117	94	194	161	142	102	175	89	157	120	82	252	294	66
13:00	96	78	135	156	125	148	112	90	205	210	109	206	64	65	78	214	214	120	139	202	167	148	86	149	101	134	98	109	261	301	61
13:30	86	154	132	149	154	143	106	91	198	200	93	221	28	53	140	209	240	135	88	198	166	156	97	193	94	118	146	93	259	297	57
14:00	137	169	120	120	101	130	80	78	181	169	66	196	30	55	107	198	224	156	123	187	139	147	117	145	102	130	190	66	247	266	52
14:30	106	126	102	82	78	103	45	62	155	148	69	169	12	43	96	180	203	127	60	168	138	127	131	118	91	133	171	55	225	252	34
15:00	75	67	77	75	84	86	43	54	127	122	57	138	10	43	109	149	175	84	109	145	99	108	91	129	60	147	180	52	197	224	28
15:30	70	34	53	61	83	69	37	34	96	74	42	104	9	27	86	128	147	71	25	119	99	68	65	91	66	121	152	49	164	183	35
16:00	51	25	36	50	58	49	33	25	68	53	33	73	4	15	62	104	119	58	40	90	63	76	46	56	54	103	88	61	127	119	27
16:30	24	15	22	31	37	30	22	15	44	44	15	43	2	19	35	71	84	45	47	63	36	44	42	57	44	98	68	68	93	98	22
17:00	12	6	10	17	19	15	11	7	24	25	17	25	0	16	24	38	55	29	32	39	22	26	28	36	31	63	31	48	62	63	17
17:30	4	2	5	7	9	6	6	2	10	11	8	12	0	11	12	19	31	15	20	23	16	15	16	19	23	36	10	27	37	35	10
18:00	2	1	2	2	2	2	2	1	3	4	2	4	0	5	6	10	14	6	11	11	5	9	8	11	12	19	4	11	19	16	6
18:30	0	0	0	0	1	0	1	0	1	0	1	1	0	0	2	2	4	2	4	4	2	4	3	4	4	7	3	4	8	7	3
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	1	1	1	1	2	1	1	3	2	1
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.112 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN APRIL

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1
06:30	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	2	2	1	2	0	1	2	1	1	2	3	1	2	2	3
07:00	1	0	1	2	1	2	1	2	3	2	1	1	1	4	2	5	5	6	7	1	1	6	7	5	9	10	2	10	2	10
07:30	4	2	2	4	5	5	3	8	9	8	2	2	2	11	3	14	14	17	16	3	4	15	18	16	24	24	3	21	8	23
08:00	13	5	4	13	14	12	9	21	21	16	3	5	4	26	18	30	30	36	35	8	9	25	36	35	45	47	5	43	11	45
08:30	31	12	8	29	29	24	13	40	46	33	3	13	5	47	25	55	53	65	64	12	18	55	62	65	76	80	28	71	13	77
09:00	56	17	11	54	40	45	31	67	80	63	7	23	8	78	39	91	89	105	100	9	29	94	98	102	118	126	16	109	23	118
09:30	83	31	18	89	89	64	58	104	123	89	5	34	16	114	98	134	122	153	151	10	38	139	145	147	172	181	11	153	30	161
10:00	114	39	27	126	132	96	82	145	171	114	8	38	29	157	137	185	157	204	188	14	61	187	196	199	216	241	15	204	44	218
10:30	125	56	47	165	173	146	77	191	223	155	15	44	37	202	190	235	230	260	211	22	51	240	249	255	271	297	12	254	71	283
11:00	141	83	59	202	217	166	108	240	274	183	21	53	42	246	241	284	278	310	262	24	34	292	296	307	322	348	63	302	77	341
11:30	115	78	57	235	256	177	86	280	317	165	23	49	48	287	283	328	318	356	333	21	50	339	339	354	329	394	244	345	100	393
12:00	130	85	61	263	292	254	85	312	349	204	41	37	44	315	317	363	350	391	365	27	61	377	373	393	390	409	323	384	90	434
12:30	138	102	67	280	319	210	91	303	369	142	79	34	75	336	335	386	362	413	378	19	72	402	398	422	431	284	333	415	254	354
13:00	170	109	81	290	328	161	87	329	346	81	77	29	67	332	358	397	380	421	345	18	140	414	410	437	462	120	351	429	334	437
13:30	185	95	105	287	272	165	89	346	367	49	51	21	50	325	299	396	375	415	60	18	215	415	406	438	465	140	371	263	352	431
14:00	125	89	106	273	249	124	84	323	349	48	35	24	63	301	335	379	351	394	27	18	186	397	392	423	455	74	256	169	370	404
14:30	109	102	128	246	251	129	70	293	315	30	32	26	69	229	321	351	322	364	39	26	131	369	363	395	424	18	98	125	356	410
15:00	110	98	126	215	187	100	62	262	268	27	29	63	50	194	254	311	246	323	28	20	206	328	325	356	353	6	77	126	340	291
15:30	64	81	126	177	140	86	43	226	226	17	20	48	35	97	223	265	202	275	12	20	198	281	278	308	302	38	53	73	292	260
16:00	70	61	105	139	128	73	28	138	175	14	16	22	47	77	195	214	184	219	26	23	166	225	224	256	276	72	113	88	235	256
16:30	49	37	86	100	112	60	26	66	133	5	11	22	37	111	148	164	144	168	6	23	151	174	165	202	213	98	30	65	185	212
17:00	39	23	57	68	80	43	16	17	83	7	8	17	22	46	106	116	95	109	1	12	108	127	123	150	155	70	98	51	137	162
17:30	20	14	34	41	53	25	9	30	56	9	6	17	27	33	65	75	61	72	1	19	64	84	85	103	105	40	96	58	95	112
18:00	13	8	19	23	28	14	5	28	28	7	3	9	21	18	37	43	34	45	0	14	43	50	51	64	64	9	62	50	60	68
18:30	6	3	9	9	12	5	3	9	13	5	1	2	9	9	18	22	17	22	1	3	23	26	26	34	35	2	35	28	35	15
19:00	2	1	3	4	5	2	1	3	4	2	0	1	4	5	7	9	7	9	0	2	10	11	12	15	16	2	16	9	15	6
19:30	0	0	0	0	0	1	0	1	1	0	1	0	1	1	2	2	1	3	0	0	2	4	4	5	5	2	6	3	6	2
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	1	1	0	1	0
20:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.113 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN MAY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0	1	2	2	2	3	1	2	0	1
05:30	1	0	0	0	1	1	1	0	1	0	2	1	0	1	1	2	1	1	1	1	3	1	3	6	7	8	7	6	9	1	2
06:00	3	1	4	4	3	4	3	1	5	4	5	2	1	1	6	6	2	5	0	2	9	5	12	16	18	18	21	17	21	4	4
06:30	12	3	10	11	11	11	11	3	15	8	14	6	1	3	14	17	8	13	1	3	22	14	18	32	36	34	42	32	42	3	11
07:00	27	12	22	22	26	24	27	6	30	8	28	11	2	6	32	34	12	28	1	5	42	26	16	63	65	62	78	70	74	13	28
07:30	52	13	42	41	52	45	39	17	55	14	51	19	5	15	57	64	23	32	3	12	72	43	22	103	102	112	127	122	120	20	51
08:00	88	36	71	59	88	79	24	20	87	30	83	26	9	28	91	105	57	30	3	16	113	71	41	154	153	163	185	159	177	22	77
08:30	121	46	105	94	135	124	18	24	135	66	124	38	11	39	147	155	56	31	2	21	165	100	64	210	212	229	253	123	241	45	135
09:00	178	87	136	135	184	158	62	33	192	111	167	76	11	54	141	206	67	61	5	20	223	148	81	271	281	293	324	135	300	45	177
09:30	243	66	187	183	239	203	92	50	244	155	222	120	12	73	110	262	109	79	10	34	284	184	158	333	325	365	377	247	366	49	186
10:00	304	83	229	195	297	248	97	67	271	115	239	208	26	104	239	319	91	122	12	43	345	193	136	389	405	432	457	338	432	59	167
10:30	347	75	299	209	351	274	133	89	350	89	160	215	19	70	201	372	109	228	27	111	402	195	190	442	433	443	489	321	475	115	263
11:00	377	109	348	247	400	359	120	125	408	66	152	283	38	80	177	417	143	310	59	325	449	200	139	490	431	371	439	319	457	211	289
11:30	428	88	381	308	410	350	144	187	448	123	153	312	53	146	176	451	158	245	86	184	468	298	188	517	434	448	383	468	421	383	393
12:00	430	57	408	426	453	445	105	283	473	258	168	364	64	211	208	475	162	167	62	264	510	315	212	420	516	467	394	358	305	382	407
12:30	376	101	412	420	465	428	162	392	487	154	241	526	45	200	309	472	116	305	22	363	468	334	274	417	554	402	429	376	310	491	314
13:00	411	74	412	426	463	338	223	424	480	266	267	493	154	184	374	489	97	314	44	353	514	341	260	516	542	477	398	201	288	423	317
13:30	377	90	397	392	408	337	342	375	456	214	319	349	289	215	401	436	84	388	41	338	363	316	248	505	494	408	386	112	197	204	320
14:00	351	107	359	352	396	326	164	322	424	225	357	452	285	139	399	419	77	192	40	384	406	304	328	463	476	330	336	134	146	266	456
14:30	343	126	313	294	358	292	134	295	383	61	208	348	199	147	362	384	74	125	35	306	313	236	209	346	416	232	169	129	202	137	150
15:00	312	128	283	251	268	296	74	262	330	11	70	299	148	104	321	297	69	92	35	317	354	209	178	339	331	201	194	138	193	253	115
15:30	249	136	240	231	233	205	78	219	273	13	202	286	110	70	255	284	76	59	30	264	294	180	135	285	270	118	193	29	123	222	227
16:00	171	120	189	181	172	137	51	207	227	19	21	220	114	88	218	225	95	40	17	188	236	134	136	168	165	67	153	56	91	134	114
16:30	101	82	137	127	139	98	45	122	158	12	66	137	66	44	151	171	74	30	20	126	170	98	110	127	170	27	129	57	51	102	84
17:00	89	66	88	94	98	61	46	79	111	17	83	102	42	53	105	121	43	26	10	77	125	74	86	77	125	59	60	63	27	115	67
17:30	51	41	56	61	59	37	22	48	65	9	53	65	47	44	51	80	21	17	6	30	81	48	56	48	91	60	59	54	19	60	40
18:00	24	26	31	37	34	13	10	28	40	4	31	39	32	28	35	48	13	12	4	9	50	28	28	37	47	29	46	35	12	33	19
18:30	10	14	16	17	16	8	3	13	19	2	14	19	17	11	17	25	8	7	2	4	29	14	15	17	21	18	23	11	5	16	14
19:00	3	5	7	7	6	3	3	5	5	1	4	6	6	5	8	11	3	3	1	2	13	5	5	7	7	6	9	3	3	9	5
19:30	1	1	1	2	2	1	1	2	2	1	2	2	2	2	3	4	2	1	0	1	4	2	2	3	3	3	3	1	1	3	2
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	1	0	0	0	1	0
20:30	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.114 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN JUNE

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
01:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	1	1	1	0
05:00	2	3	2	3	0	3	2	2	2	2	2	2	3	3	3	3	2	3	2	2	2	3	3	2	3	3	2	2	2	2
05:30	8	7	8	7	2	8	7	7	4	8	7	3	8	9	8	8	7	9	7	9	3	8	7	9	9	9	8	8	6	8
06:00	18	20	21	20	5	19	18	17	12	18	17	5	21	22	20	20	19	23	18	22	6	21	20	20	21	22	20	20	19	20
06:30	35	41	45	40	12	37	35	36	24	36	34	23	43	43	39	40	38	48	36	44	9	43	41	42	43	45	40	42	38	41
07:00	63	73	79	69	22	54	61	61	46	56	58	44	75	75	69	74	68	79	66	77	29	72	75	74	77	76	71	73	70	71
07:30	99	114	124	111	44	96	101	96	72	99	97	50	119	118	109	116	111	125	106	120	78	114	118	117	121	120	111	118	113	117
08:00	149	168	182	163	65	145	151	143	93	144	145	47	174	172	161	166	165	177	155	172	134	167	172	171	177	176	166	176	168	173
08:30	204	228	249	215	120	210	208	197	114	199	198	93	242	234	221	226	232	233	225	224	193	228	242	234	241	240	232	241	231	237
09:00	266	291	317	281	194	240	269	261	149	239	260	148	311	304	286	292	298	306	300	295	259	298	315	302	313	310	306	311	294	308
09:30	330	358	383	344	204	321	333	333	187	257	324	302	378	374	353	362	368	369	372	346	220	377	385	368	387	380	376	380	359	376
10:00	391	420	445	406	201	376	396	398	226	323	386	406	443	437	417	430	426	446	431	350	308	444	455	436	456	445	442	445	421	391
10:30	454	466	500	346	220	321	448	445	250	363	427	485	499	488	475	487	483	487	493	455	317	503	515	496	516	503	502	496	477	505
11:00	482	516	545	259	191	481	493	467	264	428	404	517	545	535	525	537	507	547	545	522	225	551	540	546	567	544	552	531	520	568
11:30	432	521	573	477	165	506	530	489	293	478	442	566	578	564	558	571	521	567	578	559	508	535	550	581	601	583	588	548	556	605
12:00	519	569	588	253	177	537	556	534	297	389	449	573	597	584	579	589	554	558	596	571	534	570	564	602	622	603	613	561	577	635
12:30	533	535	592	511	298	451	575	536	359	537	497	548	601	587	586	593	459	557	596	585	423	616	557	608	629	603	617	578	572	606
13:00	489	498	578	548	327	443	564	485	489	420	457	573	591	580	576	584	584	550	588	570	277	507	493	602	620	592	606	500	567	622
13:30	495	445	550	493	308	429	534	368	500	149	505	561	564	555	552	560	556	537	562	545	241	550	543	576	595	550	583	542	543	590
14:00	390	479	507	388	315	259	498	343	459	259	425	540	527	520	516	521	517	530	529	514	135	440	514	539	557	514	553	504	511	564
14:30	361	426	402	324	271	261	236	252	378	287	348	480	475	471	466	473	463	474	485	467	81	383	422	490	503	482	505	468	464	492
15:00	289	264	280	190	222	243	188	207	349	109	300	412	414	412	408	414	404	413	430	413	74	364	428	432	444	419	445	416	405	440
15:30	260	276	69	136	98	273	190	178	267	63	329	356	347	347	343	351	352	351	364	346	71	243	356	366	380	349	373	351	342	358
16:00	172	202	20	79	50	240	207	81	194	183	198	260	213	277	276	281	287	280	294	282	83	199	293	299	309	281	302	283	278	303
16:30	164	133	22	73	70	166	179	21	131	133	178	214	179	211	212	217	223	218	227	217	83	189	229	233	242	217	237	224	215	235
17:00	116	95	12	18	58	127	124	8	76	64	114	160	111	154	153	157	163	159	167	158	99	158	170	170	179	92	175	167	158	175
17:30	76	83	30	7	40	83	71	6	55	55	94	108	32	104	104	106	112	110	115	107	54	111	116	116	123	42	120	115	107	122
18:00	45	50	42	1	27	46	45	6	23	33	55	67	5	64	65	66	70	69	72	66	21	71	72	75	78	30	76	73	67	77
18:30	23	25	17	11	13	26	24	8	11	7	33	37	12	34	36	36	40	39	41	38	13	40	42	43	45	30	43	42	39	29
19:00	10	11	9	9	5	13	12	6	5	4	16	18	6	17	17	17	20	19	20	18	8	20	21	21	22	18	21	21	19	15
19:30	4	4	4	4	3	5	5	2	4	4	6	7	4	6	7	7	7	8	8	7	3	7	8	8	9	8	9	9	7	6
20:00	1	1	0	1	0	1	2	1	0	2	2	1	0	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	1
20:30	0	0	1	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.115 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN JULY

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	2	2	1	2	2	1	2	1	1	2	1	1	2	1	1	2	1	1	1	0	1	1	0	1	1	1	1	0	1	0	0
05:30	7	7	2	6	7	5	7	3	4	6	4	7	5	6	5	5	6	5	6	0	5	3	2	3	3	3	3	4	3	3	1
06:00	13	16	5	19	19	13	18	5	12	19	14	18	9	15	16	16	16	13	16	1	15	10	5	9	11	12	11	10	10	8	4
06:30	18	27	10	38	38	24	39	11	24	41	21	38	9	34	35	33	37	32	36	2	33	21	10	14	27	28	27	25	24	22	9
07:00	57	68	17	68	69	41	72	29	50	72	48	69	3	66	63	62	68	67	66	7	63	55	31	30	51	52	53	50	49	47	25
07:30	91	81	34	109	111	46	92	90	91	116	58	114	1	112	104	106	112	112	108	2	96	96	21	53	83	90	91	86	85	86	65
08:00	108	95	40	162	165	77	55	153	157	174	86	175	0	168	158	158	166	167	163	23	158	148	10	82	140	137	145	136	134	138	131
08:30	214	185	77	226	231	143	121	190	225	243	88	239	4	233	219	222	228	233	229	30	231	207	56	158	199	195	209	190	193	195	204
09:00	316	239	109	289	310	263	102	254	293	296	120	309	8	307	289	288	297	303	301	82	305	274	199	241	265	261	279	241	261	266	248
09:30	350	321	95	368	210	351	28	365	362	360	233	381	7	380	360	359	369	379	360	124	360	345	272	311	332	327	344	302	331	322	296
10:00	343	437	109	440	349	419	93	439	432	443	365	450	4	444	427	409	444	449	426	159	439	411	367	387	394	392	410	361	396	360	332
10:30	364	572	204	499	497	480	83	505	496	492	462	514	26	497	483	479	505	486	504	209	488	471	457	442	444	454	475	422	455	370	386
11:00	448	518	116	545	550	532	276	528	549	558	519	558	10	545	542	541	534	554	554	276	556	520	508	500	494	502	528	470	487	431	406
11:30	306	493	87	580	584	571	283	579	588	589	565	601	25	582	525	578	564	586	586	185	594	557	546	541	530	542	563	491	543	411	368
12:00	332	495	113	602	624	592	356	600	612	589	583	623	19	604	579	426	614	613	611	126	552	582	571	565	563	566	588	527	568	383	490
12:30	529	568	114	609	609	556	375	607	622	600	599	629	65	610	605	167	625	622	606	290	601	592	580	570	479	572	600	523	574	332	577
13:00	646	588	126	603	605	293	596	604	611	639	602	619	104	601	598	102	586	614	616	382	528	585	579	562	409	562	593	488	563	334	479
13:30	599	553	115	581	585	457	577	584	588	610	580	595	209	579	575	117	619	591	592	247	464	565	556	540	292	537	568	488	529	330	553
14:00	561	376	126	542	514	534	537	545	547	542	543	555	425	542	538	168	523	560	550	475	500	527	518	503	391	503	529	464	504	333	495
14:30	510	454	112	491	439	388	461	497	493	507	493	502	470	492	487	107	461	512	498	425	439	479	471	452	344	459	476	425	452	317	454
15:00	431	264	86	426	431	326	404	436	433	406	441	447	435	431	429	185	396	452	437	389	351	417	413	395	317	402	415	369	401	225	393
15:30	352	171	116	363	367	340	357	368	366	359	369	376	361	366	365	144	265	382	371	379	284	358	348	331	243	339	347	298	337	195	326
16:00	235	29	118	291	296	293	294	303	298	283	277	310	289	299	296	241	160	305	300	287	93	285	282	263	168	272	280	240	268	145	249
16:30	236	51	143	217	229	223	229	239	233	198	215	239	223	232	228	186	115	239	232	221	7	219	215	198	108	209	197	182	204	100	198
17:00	183	83	146	163	167	128	170	176	171	143	160	176	163	170	169	113	95	175	168	162	4	151	156	142	34	151	143	138	147	64	125
17:30	120	78	101	108	113	98	116	121	118	98	110	120	111	115	124	88	81	120	114	107	25	104	105	94	50	99	96	91	97	44	90
18:00	69	41	59	68	73	55	74	77	75	69	41	76	70	72*	83	51	47	76	71	65	9	65	64	57	32	61	49	55	57	26	53
18:30	26	20	34	35	42	32	39	44	42	36	5	44	39	38	42	40	32	42	39	29	4	35	35	31	32	33	21	29	30	14	28
19:00	16	10	17	18	20	18	19	21	21	16	11	21	18	17	19	18	18	19	18	15	5	15	16	13	14	15	12	12	12	6	11
19:30	5	2	7	8	8	7	8	8	7	7	6	8	7	7	7	7	6	7	6	5	3	5	5	4	5	4	4	4	4	1	3
20:00	2	0	2	2	2	1	2	2	2	2	1	2	1	1	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	0	1
20:30	0	0	0	0	1	0	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.116 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN AUGUST

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	3	2	2	2	2	2	2	2	2	1	2	2	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
06:00	8	8	8	6	7	8	7	7	6	5	5	5	1	3	4	4	4	4	4	2	2	3	3	3	3	3	2	2	1	1	1
06:30	20	20	21	17	19	20	20	19	15	14	16	17	4	8	14	13	13	14	14	3	5	10	10	11	10	6	9	4	8	6	5
07:00	34	37	42	37	40	42	42	40	35	30	35	35	11	18	31	29	31	31	34	18	8	27	26	27	28	16	24	12	21	13	15
07:30	74	71	71	72	74	75	74	71	72	45	69	66	22	32	58	56	61	60	64	35	28	53	55	55	58	20	48	21	42	28	29
08:00	85	114	108	107	123	121	118	114	116	52	113	104	51	36	96	93	100	102	104	19	68	94	91	96	96	23	87	58	76	52	60
08:30	175	166	178	131	180	176	170	167	169	55	161	158	44	34	144	144	150	158	142	20	98	147	131	147	106	37	136	82	110	71	105
09:00	250	226	243	175	241	241	235	227	232	78	219	223	36	24	199	200	214	220	170	30	115	202	196	203	160	44	191	98	153	104	154
09:30	157	294	288	264	305	308	298	293	283	90	280	238	72	28	259	261	278	283	194	53	125	261	201	266	251	51	253	128	217	137	177
10:00	77	353	304	327	368	371	360	352	359	58	345	228	60	41	318	321	340	347	202	38	95	321	257	330	326	54	313	279	284	111	239
10:30	202	380	452	337	426	430	417	411	409	70	396	225	262	140	371	376	396	400	303	34	125	379	287	380	380	42	371	349	335	195	273
11:00	491	398	487	481	477	482	465	364	430	72	441	308	476	67	418	423	437	448	333	40	226	425	365	439	409	39	429	392	310	190	317
11:30	533	419	514	494	511	520	499	329	417	84	389	432	498	3	455	461	474	482	328	69	197	458	451	384	481	35	419	367	380	142	320
12:00	552	391	543	512	532	544	523	360	466	71	475	526	520	10	479	484	494	506	290	72	158	477	480	492	444	46	447	312	324	295	397
12:30	455	380	545	525	541	550	529	326	454	125	425	535	495	85	488	489	505	520	259	73	251	484	489	492	384	47	432	359	406	281	342
13:00	490	352	534	536	537	542	523	350	233	91	227	517	521	308	480	480	491	499	251	83	113	478	389	508	323	55	443	383	406	166	207
13:30	496	282	512	509	514	516	502	231	188	51	281	494	496	111	461	420	436	457	262	117	153	453	360	474	411	174	431	345	407	125	222
14:00	422	221	475	480	476	480	464	197	66	66	192	462	460	71	428	411	430	369	293	130	101	415	343	434	380	282	383	262	373	128	253
14:30	248	228	425	431	428	431	415	290	43	58	221	409	413	47	375	380	388	316	318	91	107	367	265	390	305	264	343	326	324	227	240
15:00	116	206	370	370	368	365	359	250	93	45	267	353	352	225	296	321	326	287	254	59	127	311	196	330	267	280	283	251	276	216	208
15:30	87	248	308	289	306	302	298	204	157	42	207	295	291	271	239	264	239	269	215	64	89	255	156	267	242	224	237	219	222	181	158
16:00	98	132	244	243	243	239	236	150	164	35	148	230	224	214	172	201	149	194	184	35	110	197	151	204	173	159	181	152	167	127	146
16:30	77	151	182	182	182	179	175	115	168	25	132	169	159	136	81	146	113	154	79	15	71	141	95	142	135	121	127	112	116	102	94
17:00	38	109	128	128	128	121	122	91	116	23	52	114	94	35	50	93	92	105	63	8	68	93	53	87	87	82	81	73	74	54	57
17:30	23	70	82	82	83	80	78	58	67	17	43	72	49	9	23	61	64	64	58	6	30	54	33	49	51	43	45	40	39	28	28
18:00	39	41	47	48	48	46	44	31	38	11	31	40	29	1	18	30	35	32	32	2	17	28	16	19	23	23	21	18	17	14	13
18:30	16	16	23	24	24	22	22	14	18	6	15	18	15	1	8	10	14	13	13	1	7	10	4	7	8	8	8	5	6	4	12
19:00	6	9	8	10	9	9	8	5	6	2	4	6	5	3	1	1	5	4	3	1	2	3	0	1	2	1	2	1	1	0	4
19:30	2	2	3	2	3	2	2	1	2	0	1	1	1	0	1	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1
20:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.117 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN SEPTEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	2	2	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
06:30	5	5	5	6	3	5	5	4	3	2	4	2	3	3	3	3	3	2	2	2	1	1	2	2	2	2	1	1	1	1
07:00	15	17	17	18	8	15	16	15	12	5	13	6	11	14	12	13	12	12	9	9	5	5	8	8	7	8	4	5	5	3
07:30	30	35	36	40	17	31	35	33	24	23	31	17	26	32	31	30	31	29	23	22	14	11	24	23	22	22	13	14	15	8
08:00	56	64	69	73	39	47	66	61	46	56	58	39	51	61	61	61	61	58	44	46	29	21	50	46	47	48	30	33	32	13
08:30	86	102	114	119	84	46	107	91	79	74	89	56	83	100	100	102	102	96	73	77	57	43	85	79	83	84	59	62	48	28
09:00	140	150	165	176	137	52	156	146	147	101	131	94	124	151	150	153	151	139	111	118	104	80	129	120	127	126	86	97	79	25
09:30	201	201	221	235	161	59	212	200	202	134	173	135	171	204	206	200	207	186	139	163	148	79	182	169	176	175	117	132	94	47
10:00	255	253	281	293	202	69	269	196	258	137	171	133	215	260	257	264	264	237	186	211	199	117	235	220	211	228	142	173	133	37
10:30	302	284	339	348	214	86	314	267	310	200	222	169	251	311	307	321	320	284	236	247	247	242	286	265	242	278	178	211	115	40
11:00	335	279	382	391	256	127	360	339	354	333	246	257	293	355	352	367	366	327	278	284	288	190	328	303	267	319	209	245	145	58
11:30	350	358	413	423	327	102	395	354	388	377	314	286	327	386	385	399	399	357	312	305	310	296	360	333	322	347	219	269	85	98
12:00	296	381	431	438	323	86	408	328	410	398	320	242	346	403	406	411	415	373	333	294	326	333	375	348	368	364	169	282	79	151
12:30	219	396	436	442	289	111	414	337	417	419	283	239	349	405	410	413	416	381	330	274	331	338	376	351	256	465	151	285	102	128
13:00	341	390	422	426	152	113	403	344	407	418	202	147	337	394	399	399	403	368	278	243	301	328	362	337	299	354	161	275	115	156
13:30	195	369	399	400	136	123	369	321	383	390	212	117	316	369	373	365	376	346	246	194	271	303	332	311	241	327	143	214	121	158
14:00	120	335	363	363	262	131	332	242	348	352	163	95	283	320	335	325	335	309	197	212	228	256	294	273	268	285	112	218	121	174
14:30	135	291	313	317	146	106	296	259	293	311	133	76	242	270	282	274	282	255	182	201	214	220	245	228	236	236	111	171	86	158
15:00	166	243	259	263	101	75	240	230	217	256	92	109	197	225	223	221	226	173	149	152	165	178	179	184	178	184	86	139	51	127
15:30	95	192	203	207	116	80	190	170	157	196	135	96	149	175	154	169	172	145	113	117	113	134	126	136	135	130	85	103	34	90
16:00	87	142	149	153	130	49	137	120	123	137	62	77	107	125	121	120	123	104	90	85	86	93	92	91	90	81	55	68	19	57
16:30	27	97	103	105	87	61	88	80	68	59	33	36	69	79	82	77	78	65	48	51	50	58	55	53	55	48	33	36	13	33
17:00	23	59	62	65	49	46	50	49	47	15	28	16	39	45	45	43	44	31	29	27	25	31	29	27	27	23	17	17	8	15
17:30	13	32	33	34	23	28	27	25	24	5	11	7	19	19	21	19	20	11	11	12	11	12	12	11	10	9	5	6	4	5
18:00	11	14	14	15	7	11	10	9	9	1	2	3	6	7	7	6	6	3	2	3	3	3	3	3	3	2	1	1	1	1
18:30	4	4	4	4	1	3	3	3	2	0	1	1	2	1	2	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0
19:00	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.118 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN OCTOBER

DAY / TIME	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	1	1	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	4	4	4	2	1	2	3	4	3	2	2	1	2	2	2	2	1	1	1	2	1	1	1	1	0	1	1	1	1	0	0
07:30	14	14	13	9	2	6	11	11	12	11	9	7	4	7	7	8	8	4	6	6	6	5	5	4	3	4	4	3	0	1	0
08:00	29	30	28	18	7	10	27	26	30	26	20	19	13	18	19	23	19	13	17	17	18	13	14	14	11	14	12	10	3	3	2
08:30	53	55	49	22	14	16	52	45	58	52	39	41	28	36	35	47	39	23	39	35	37	29	32	29	27	32	28	25	8	8	4
09:00	82	87	72	34	36	21	76	62	95	82	48	73	53	59	61	77	64	47	62	60	62	51	56	53	50	58	46	56	17	18	5
09:30	117	118	121	38	35	27	117	93	140	118	26	105	88	87	84	113	94	75	66	90	95	80	82	73	81	87	61	79	20	22	10
10:00	155	160	150	29	59	24	149	136	180	155	29	136	130	118	63	151	134	97	78	122	136	106	114	101	110	118	58	43	26	29	16
10:30	192	198	206	27	47	30	166	162	220	191	33	167	175	146	76	186	167	110	92	153	171	140	142	132	144	148	62	68	36	42	17
11:00	224	227	227	19	79	50	191	220	254	223	32	192	209	173	88	218	199	131	109	180	198	165	165	155	174	177	70	97	42	46	19
11:30	248	261	254	24	74	107	202	251	280	245	37	211	181	196	136	240	208	148	127	199	197	178	186	172	194	196	88	127	42	93	14
12:00	259	279	262	22	71	144	261	260	294	255	42	220	124	209	161	249	224	159	166	207	174	188	194	190	204	206	109	152	48	68	17
12:30	262	277	267	37	47	150	265	256	295	254	53	220	121	212	177	248	223	203	186	206	177	195	192	193	200	204	102	172	41	76	18
13:00	254	270	252	39	47	193	256	238	280	241	38	210	136	190	170	237	215	206	204	195	174	184	182	179	186	194	94	174	48	61	19
13:30	231	247	232	80	40	191	238	216	254	217	31	190	133	143	186	213	192	189	193	174	151	164	163	163	166	171	102	154	48	39	20
14:00	202	216	202	75	30	165	198	191	219	186	30	162	112	139	152	182	164	161	164	145	127	134	137	123	139	143	63	129	40	30	20
14:30	166	182	179	29	31	135	164	156	179	149	21	132	78	85	101	144	132	133	131	113	97	104	108	103	110	112	52	102	35	30	12
15:00	128	138	135	33	30	104	124	121	135	113	15	99	52	77	75	107	101	88	96	82	75	76	77	73	78	80	45	75	34	22	9
15:30	91	91	94	24	12	72	82	85	94	77	10	68	50	55	63	71	59	54	57	54	45	49	51	48	49	51	32	48	13	17	5
16:00	58	53	61	21	9	45	46	52	59	46	7	42	33	34	40	41	36	29	31	30	23	27	27	25	27	28	19	27	4	10	2
16:30	33	32	35	8	8	24	26	28	31	24	4	20	17	17	15	20	16	16	14	14	10	12	12	11	11	11	8	12	3	4	1
17:00	14	15	15	3	3	9	9	12	12	10	2	8	5	6	6	6	5	5	4	4	3	3	4	3	3	3	2	3	1	1	0
17:30	5	5	4	0	1	3	2	3	3	2	0	1	1	2	1	1	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0
18:00	1	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

___ INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.119 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN NOVEMBER

TIME \ DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1	0	0	0	0	1	0	0	0
08:00	1	2	2	3	1	2	1	2	1	1	1	0	1	1	1	1	1	0	1	1	8	2	2	2	1	2	1	1	1	1
08:30	2	4	5	7	4	7	7	7	6	6	4	2	2	3	3	3	4	3	3	2	15	7	5	3	3	6	5	5	3	2
09:00	6	12	12	19	9	17	18	17	15	15	8	5	7	8	5	9	11	8	9	5	19	15	11	6	8	13	9	9	7	5
09:30	12	17	19	34	16	35	37	33	32	27	14	8	10	20	10	20	24	18	18	13	23	28	21	14	17	23	16	16	15	11
10:00	21	36	34	53	26	53	55	52	52	42	24	16	18	36	21	36	40	35	28	26	39	40	34	26	30	34	22	23	25	15
10:30	34	55	41	75	37	74	77	69	70	60	30	28	19	42	36	55	57	49	43	42	62	48	46	41	47	46	29	31	33	20
11:00	41	56	44	93	51	97	98	103	92	76	48	42	33	49	35	68	75	67	55	54	78	51	56	55	56	55	34	35	44	24
11:30	55	67	44	109	68	114	125	114	113	88	62	55	40	54	31	83	88	81	67	68	74	59	66	60	57	62	29	40	51	23
12:00	54	89	45	119	75	125	137	122	127	97	74	76	50	50	37	98	95	89	78	78	76	46	69	68	55	66	28	41	53	25
12:30	72	99	55	120	97	128	142	136	131	103	85	65	31	66	49	98	98	88	81	103	82	44	64	64	48	64	35	37	52	28
13:00	74	115	57	117	115	124	139	122	130	100	85	59	24	66	55	91	95	89	78	62	60	40	61	55	42	59	31	35	48	26
13:30	53	87	35	108	118	115	127	100	97	91	80	59	23	57	65	76	88	77	73	49	47	36	52	50	36	49	26	32	42	22
14:00	45	59	27	93	122	100	108	100	83	78	69	50	25	56	64	73	75	69	55	34	35	29	40	37	32	38	13	26	32	16
14:30	18	56	26	75	78	79	86	76	70	61	53	47	21	39	53	56	58	53	44	20	24	21	27	26	21	26	18	18	22	13
15:00	13	39	22	55	56	58	63	57	52	44	39	30	21	29	37	36	41	38	32	10	13	10	17	16	10	16	8	11	14	8
15:30	7	21	14	36	36	38	41	35	35	28	24	18	15	20	22	23	26	24	19	4	4	5	9	9	5	8	3	5	6	5
16:00	4	12	10	21	20	22	23	19	18	15	14	8	9	10	12	11	13	13	10	1	1	2	3	3	1	3	1	3	2	2
16:30	2	4	7	9	9	9	10	7	8	6	5	3	3	3	4	4	5	4	4	0	0	0	1	0	1	0	1	0	1	0
17:00	1	1	3	2	3	3	2	2	1	2	2	0	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0
17:30	0	0	0	1	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

--- INDICATES INDIVIDUAL VALUE WAS IMPUTED.

TABLE A.120 UV DATA BASE - 1974 BISMARCK, NORTH DAKOTA

COUNTS BY TIME OF DAY FOR EACH DAY IN DECEMBER

TIME	DAY 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	2	1	1	0	1	1	1	1	2	1	1	0	0	1	0	1	1	1	0	0	1	0	1	1	0	1	0	0	1	1	1
08:30	4	2	1	2	3	5	3	3	4	3	3	2	2	2	1	1	2	2	2	2	1	2	2	2	3	3	2	3	2	2	2
09:00	11	5	3	6	10	11	8	8	11	9	8	5	3	4	3	4	5	7	6	3	2	3	5	5	8	9	6	9	6	7	8
09:30	18	11	7	10	17	24	15	13	20	17	14	7	8	9	6	8	11	13	10	7	5	6	11	11	16	18	14	17	14	14	14
10:00	30	14	11	22	26	39	24	19	33	28	24	6	18	15	8	10	17	21	20	12	8	14	15	19	21	32	25	32	27	27	24
10:30	42	16	18	31	41	53	35	29	46	40	33	12	25	23	14	14	25	28	29	18	13	24	19	30	32	43	38	46	40	40	33
11:00	52	20	20	32	51	65	42	43	57	47	45	20	32	35	21	13	40	36	35	20	16	33	23	37	43	55	48	58	47	55	43
11:30	59	21	21	31	58	79	48	53	65	60	50	22	38	44	27	16	39	41	34	23	21	32	30	47	57	67	51	66	55	68	50
12:00	63	20	23	31	51	76	50	58	67	59	53	18	43	48	25	21	46	45	34	27	22	42	33	48	68	71	53	70	64	73	54
12:30	61	18	25	40	52	66	49	53	65	61	52	17	50	28	29	31	46	44	33	27	20	30	36	50	73	70	67	66	65	67	56
13:00	56	17	23	33	50	58	45	47	58	49	48	13	51	23	27	27	45	40	30	22	18	26	35	48	67	64	68	60	59	63	50
13:30	47	16	21	28	80	48	38	45	49	43	41	11	47	16	25	22	40	35	25	22	16	24	32	39	56	53	57	53	49	54	41
14:00	36	11	19	20	38	40	30	32	28	33	31	10	37	12	19	19	33	27	22	19	10	17	26	31	43	42	43	36	38	42	34
14:30	25	8	13	14	23	25	19	23	23	23	22	7	25	9	12	13	23	19	16	14	8	13	15	22	29	29	25	25	26	30	25
15:00	15	5	9	8	13	13	12	13	14	14	12	5	13	6	6	7	14	11	8	9	4	8	9	14	17	17	15	16	16	19	15
15:30	7	2	4	3	5	7	5	5	6	7	5	2	5	2	3	4	6	5	4	4	3	4	5	7	9	9	7	7	8	9	8
16:00	2	1	2	1	1	2	2	2	2	2	1	1	2	1	1	2	2	2	2	1	1	2	2	2	3	3	3	2	3	3	3
16:30	1	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	1	1	1	1	1
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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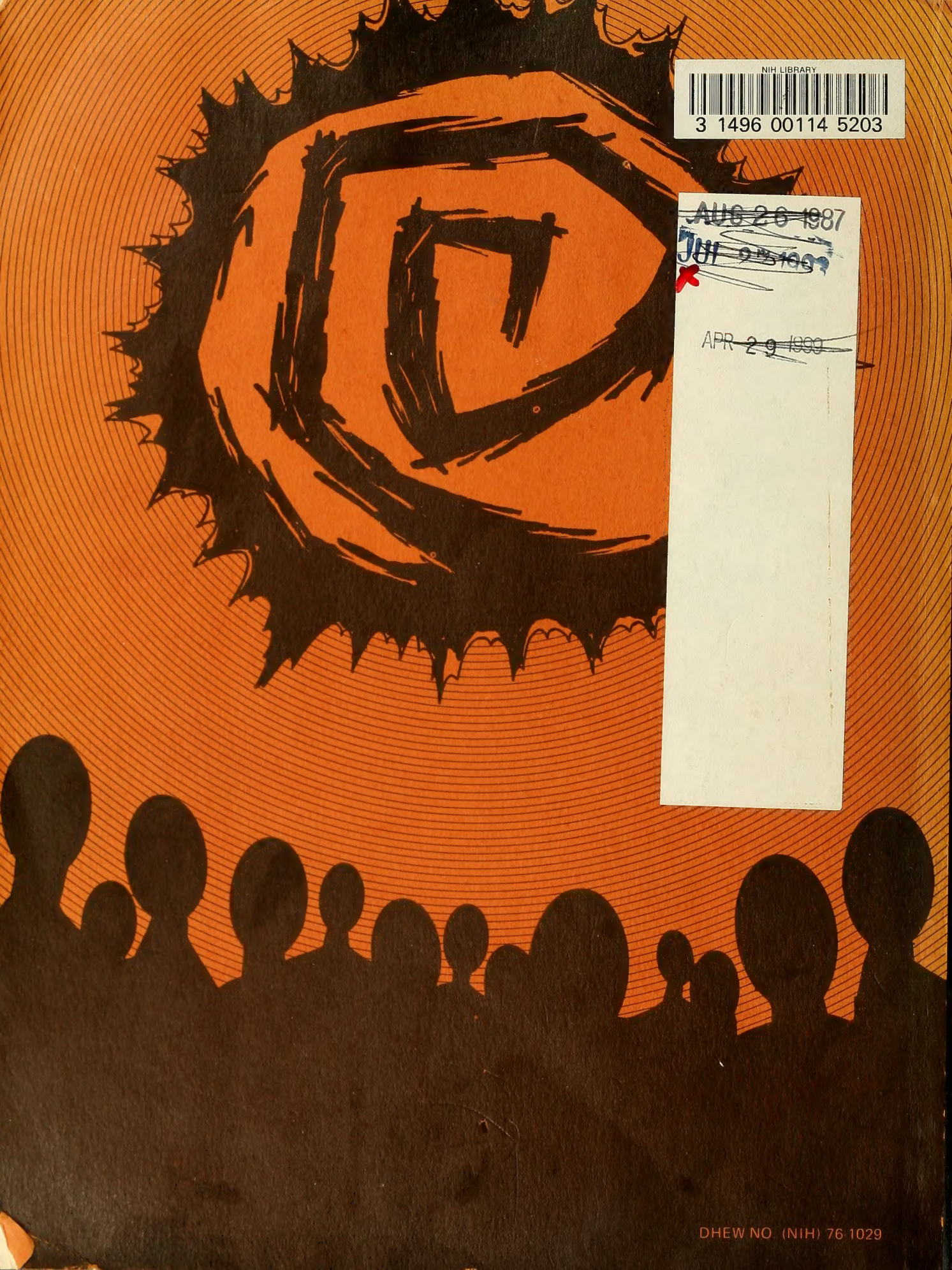

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